### DEPARTMENT OF THE NAVY FISCAL YEAR (FY) 2001 BUDGET ESTIMATES



# JUSTIFICATION OF ESTIMATES FEBRUARY 2000

PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4

### DEPARTMENT OF THE NAVY

February 2000

#### FY 2001 PROCUREMENT PROGRAM

### SUMMARY (\$ IN MILLIONS)

APPROPRIATION: PROCUREMENT, MARINE CORPS -----FY 1999 FY 2000 FY 2001 ACTIVITY \_\_\_\_\_ 02. WEAPONS AND COMBAT VEHICLES 103.7 172.6 176.6 87.6 03. GUIDED MISSILES AND EQUIPMENT 86.8 96.4 04. COMMUNICATIONS AND ELECTRONICS EQUIPMENT 395.5 544.9 272.3 05. SUPPORT VEHICLES 166.6 282.7 487.5 78.2 06. ENGINEER AND OTHER EQUIPMENT 166.4 122.6 07. SPARES AND REPAIR PARTS 26.7 31.2 25.4 1,294.2 TOTAL PROCUREMENT, MARINE CORPS 857.5 1,171.9

### DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS DATE: February 2000

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IVI I LI	$_{\perp \perp}$	CINS	OF	DOL	LARS

EXHIBIT P-1

		MILLIONS OF DOLLARS							S
LINE NO	ITEM NOMENCLATURE	CODE	QUANTITY		FY QUANTITY		QUANTITY		E C
	ACTIVITY 02: WEAPONS AND COMBAT	VEHICLE	S						
TRACKEI	D COMBAT VEHICLES								
1 AAV	7A1 PIP	А	170	89.6	170	80.1	170	83.4	U
2 RAP	ID ACQUISITION PROGRAM	A						4.9	U
3 LAV	PIP	A		1.4		1.7		1.7	U
4 IMP	ROVED RECOVERY VEHICLE (IRV)	A					16	42.6	U
5 MOD	IFICATION KITS (TRKD VEH)	А		7.7		82.8		20.8	U
6 ITEN	MS UNDER \$2M (TRKD VEH)	A		.1					U
ARTILLI	ERY AND OTHER WEAPONS								
7 MOD	KITS (ARTILLERY)	В		2.8		3.3		3.9	U
8 ITEN	MS UNDER \$2M (ALL OTHER)	В		.1					U
9 MAR	INE ENHANCEMENT PROGRAM	В		2.1		2.9		6.4	U
10 WEAR	PONS AND COMBAT VEHICLES UNDER \$	5 M A				.3		. 4	U
WEAPONS	S								
11 1551	MM LIGHTWEIGHT TOWED HOWITZER	В						11.1	U
OTHER S	SUPPORT								
12 OPE	RATIONS OTHER THAN WAR	A				1.5		1.3	U
TOTAL W	EAPONS AND COMBAT VEHICLES			103.7		172.6		176.6	
	ACTIVITY 03: GUIDED MISSILES AN	D EQUIPM	ENT						
GUIDED	MISSILES								
13 EADS	S MOD	А		1.0					U

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### DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS DATE: February 2000

### MILLIONS OF DOLLARS

EXHIBIT P-1

		MILLIONS OF DOLLARS							
LINE NO	ITEM NOMENCLATURE		FY QUANTITY		QUANTITY	COST	FY QUANTITY	2001 COST	S E C
	LIN (MYP) :: ADVANCE PROCUREMENT (PY)	A	741	(90.7) (-8.0)		(92.7)	293	(29.1)	U
				82.7		92.7		29.1	
15 PEDE	STAL MOUNTED STINGER (PMS)	A		3.2				10.6	U
16 ITEM	IS UNDER \$5 MILLION	А				3.7		.9	U
17 PRED	DATOR (SRAW)	A					698	43.4	U
OTHER S	UPPORT								
18 MODI	FICATION KITS	А						3.6	U
TOTAL GU	IDED MISSILES AND EQUIPMENT			86.8		96.4		87.6	
	CTIVITY 04: COMMUNICATIONS AND E	LECTRO	NICS EQUII	PMENT					
	AND TEST EQUIPMENT								
19 AUTO	TEST EQUIP SYS	В		29.2		28.9		4.7	U
20 GENE	RAL PURPOSE ELECTRONIC TEST EQUIP	. A		9.1		10.6		8.2	U
INTELL/	COMM EQUIPMENT (NON-TEL)								
21 AN/T	PQ-36 FIRE FINDER RADAR UPGRADE	А		.6					U
22 INTE	LLIGENCE SUPPORT EQUIPMENT	В		10.1		19.0		12.0	U
23 MOD	KITS (INTEL)	А		5.2		18.4		5.0	U
24 ITEM	IS UNDER \$5 MILLION (INTELL)	А				2.1		. 4	U
25 ITEM	IS LESS THAN \$2M (INTELL)	А		3.1					U
REPAIR	AND TEST EQUIPMENT (NON-TEL)								
26 GENE	RAL PURPOSE MECHANICAL TMDE	А		4.5		4.7		4.7	U
OTHER C	COMM/ELEC EQUIPMENT (NON-TEL)								
27 NIGH	T VISION EQUIPMENT	В		23.6		17.4		14.4	U

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### DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

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APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS DATE: February 2000

### MILLIONS OF DOLLARS

EXHIBIT P-1

		FITHERONS OF BOHLAND							
LINE NO	ITEM NOMENCLATURE		FY QUANTITY	COST	FY QUANTITY	COST	FY QUANTITY		S E C
OTHER SU	PPORT (NON-TEL)								
28 ITEMS	UNDER \$5 MILLION (COMM & ELEC)	A				11.1		8.3	U
29 COMMO	N COMPUTER RESOURCES	А				104.1		80.7	U
30 COMMA	ND POST SYSTEMS	A		24.1		4.4		9.5	U
31 MANEU	VER C2 SYSTEMS	В		9.5		6.8			U
32 RADIO	SYSTEMS	В		45.9		96.2		3.1	U
33 COMM	SWITCHING & CONTROL SYSTEMS	В		62.0		62.0		3.2	U
34 COMM	& ELEC INFRASTRUCTURE SUPPORT	A		114.2		123.5		80.6	U
35 MOD K	ITS MAGTF C41	В		33.1		18.5		7.5	U
36 ITEMS	< \$2M MAGTF C41	A		8.6					U
37 ITEMS	< \$2M (OTHER)	A		4.8					U
38 AIR O	PERATIONS C2 SYSTEMS	A		7.8		4.1		3.2	U
39 INTEL	LIGENCE C2 SYSTEMS	A				8.2		14.7	U
40 FIRE	SUPPORT SYSTEM	A				5.0		12.3	U
TOTAL COM	MUNICATIONS AND ELECTRONICS EQUIP	PMENT		395.5		544.9		272.3	
	TIVITY 05: SUPPORT VEHICLES								
ADMINIST	RATIVE VEHICLES								
41 COMME	RCIAL PASSENGER VEHICLES	A	31	.9	43	1.3	33	1.4	U
42 COMME	RCIAL CARGO VEHICLES	А		17.8		8.8		23.4	U
TACTICAL	VEHICLES								
43 5/4T	TRUCK HMMWV (MYP)	A	15	2.2	1918	124.4	1859	124.4	U
44 MEDIU	M TACTICAL VEHICLE REPLACEMENT (N	И В	240	69.5	788	138.3	2027	325.6	U

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### DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS DATE: February 2000

MITI	LONS	() F	DOL	ARS

EXHIBIT P-1

		MILLIONS OF DULLARS					_
LINE NO	ITEM NOMENCLATURE		FY QUANTITY	COST		QUANTITY COST	S E C
45	LT TACTICAL VEHICLE REPLACEMENT(LTVR)	А	1122	68.8			U
46	LOGISTICS VEHICLE SYSTEM REP	А		3.8			U
OTH	HER SUPPORT						
47	ITEMS LESS THAN \$2 MIL	А		3.6			U
48	ITEMS LESS THAN \$5 MILLION	А			9.9	12.7	U
TOTA	AL SUPPORT VEHICLES			166.6		487.5	
BUDG	EET ACTIVITY 06: ENGINEER AND OTHER E	QUIPME	NT				
ENG	SINEER AND OTHER EQUIPMENT						
49	ENVIRONMENTAL CONTROL EQUIP ASSORT	А		3.0	3.6	3.8	U
50	BULK LIQUID EQUIPMENT	А			3.2	2.7	U
51	TACTICAL FUEL SYSTEMS	А			9.7	7.7	U
52	DEMOLITION SUPPORT SYSTEMS	А		2.9	3.4	.7	U
53	POWER EQUIPMENT ASSORTED	А		9.0	10.8	9.3	U
54	SHOP EQ CONTACT MAINTENANCE (SECM)	А		8.4	3.3		U
55	CANCELLED ACCOUNT ADJUSTMENT (M)	А		8.2			U
MAT	CERIALS HANDLING EQUIPMENT						
56	COMMAND SUPPORT EQUIPMENT	А		4.9	2.0		U
57	AMPHIBIOUS RAID EQUIPMENT	А		2.8			U
58	PHYSICAL SECURITY EQUIPMENT	А		1.9	5.6	5.3	U
59	GARRISON MOBILE ENGR EQUIP	А		5.5	6.9	5.7	U
60	WAREHOUSE MODERNIZATION	А		1.5			U
61	MATERIAL HANDLING EQUIP	А		11.9	66.0	36.3	U

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### DEPARTMENT OF THE NAVY FY 2001 PROCUREMENT PROGRAM

DATE: February 2000

EXHIBIT P-1

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

MILLIONS OF DOLLARS					
LINE NO ITEM NOMENCLA	TURE CODE	QUANTITY COST	FY 2000 QUANTITY COST	QUANTITY COST	C
62 FIRST DESTINATION T	RANSPORTATION A	3.1	4.1	5.8	U
GENERAL PROPERTY					
63 FIELD MEDICAL EQUIP	MENT A	2.2	7.9	1.9	U
64 TRAINING DEVICES	В	3.3	13.8	30.8	U
65 CONTAINER FAMILY	А	6.4	5.7	6.9	U
OTHER SUPPORT					
66 MODIFICATION KITS	А	1.3	1.0		U
67 ITEMS LESS THAN \$2	MIL A	2.0			U
68 ITEMS LESS THAN \$5	MILLION A		12.0	5.6	U
69 CANCELLED ACCOUNT A	DJUSTMENT (M) A		7.5		U
TOTAL ENGINEER AND OTHE	R EQUIPMENT	78.2			
BUDGET ACTIVITY 07: SP	ARES AND REPAIR PARTS				
SPARES AND REPAIR PART	S				
70 SPARES AND REPAIR P	ARTS A	26.7	31.2		U
TOTAL SPARES AND REPAIR	PARTS		31.2	25.4	
TOTAL PROCUREMENT, MARI	NE CORPS		1,294.2		

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### Procurement, Marine Corps Program and Financing (in Thousands of dollars)

	actions	programed)		Obligations		
Identification code 17-1109-0-1-051	1999 actual	2000 est.	2001 est.	1999 actual	2000 est.	2001 est.
Program by activities:						
Direct program:						
00.0201 Weapons and combat vehicles				104,236		
00.0301 Guided missiles and equipment	86,335*	96,442	87,571	85,911	79,092	81,754
00.0401 Communications and electronics equipment	405,790*	544,905	272,326	367,641 161,259	534,854	313,946
00.0501 Support vehicles	156,134*	282,685	487,479	161,259	234,044	419,714
00.0601 Engineer and other equipment	69,759*	166,424	122,557	130,465	136,231	114,010
00.0701 Spares and repair parts	36,337*	31,192	25,382	130,465 24,598	37,768	27,823
00.9101 Total direct program				874,110		
01.0101 Reimbursable program				250		
10.0001 Total				874,360		
Financing:						
Offsetting collections from:						
11.0001 Federal funds(-)	-249	-9,400	-9,400	10,004	-9,400	-9,400
17.0001 Recovery of prior year obligations				-21,999		
Unobligated balance available, start of year:						
21.4002 For completion of prior year budget plans				-164,794	-155,280	-277,509
21.4003 Available to finance new budget plans		-5,000			-5,000	
21.4009 Reprograming from/to prior year budget plan	-4,619					
Unobligated balance available, end of year:				155 000	000 500	202 002
24.4002 For completion of prior year budget plans	Г 000			,	277,509	303,893
24.4003 Available to finance subsequent year budget 25.0001 Unobligated balance expiring	4,619			5,000 4,619		
25.0001 Unobligated balance expiring	4,619			4,619		
39.0001 Budget authority				862,470		1,171,935
Budget authority:						
40.0001 Appropriation	872,216	1,300,920	1,171,935	872,216	1,300,920	1,171,935
40.3601 Unobligated Balance Rescinded		-5,000			-5,000	
40.3601 Unobligated Balance Rescinded 40.7601 Reduction pursuant to P.L. 106-113(-), Titl 40.7701 Reduction pursuant to P.L. 105-262 (-), 813		-6,701			-6,701	
40.7701 Reduction pursuant to P.L. 105-262 (-), 813	-15,700			-15,700		
41.0001 Transferred to other accounts (-)	-9,977			-9,977		
42.0001 Transferred from other accounts	15,931			15,931		
43.0001 Appropriation (adjusted)	862,470	1,289,219		862,470		

Notes: (\*) For FY 1999, differences between authorized amounts cited for budget activities in the budget and the Program and Financing exhibit are the result of minor reprogrammings not reflected in the official 30 September 1999 accounting reports.

<sup>(#)</sup> For FY 1999, differences between authorized reimbursable amounts in the budget and this Program and Financing exhibit are the result of updates which were not reflected in the official 30 September 1999 accounting reports.

### Procurement, Marine Corps Program and Financing (in Thousands of dollars)

	Budget Plan ( actions	amounts for F programed)	PROCUREMENT	Obligations		
Identification code 17-1109-0-1-051	1999 actual	2000 est.	2001 est.	1999 actual	2000 est.	2001 est.
Relation of obligations to outlays:						
71.0001 Obligations incurred				884,364	1,171,990	1,145,551
72.4001 Obligated balance, start of year				583,057	852,557	1,207,987
74.4001 Obligated balance, end of year				-852,557	-1,207,987	-1,336,913
77.0001 Adjustments in expired accounts (net)				-420		
78.0001 Adjustments in unexpired accounts				-21,999		
90.0001 Outlays (net)				592,445	816,560	1,016,625

### Procurement, Marine Corps Object Classification (in Thousands of dollars)

Identification code 17-1109-0-1-051	1999 actual	2000 est.	2001 est.
Direct obligations:			
125.101 Advisory and assistance services	6,049	8,297	7,549
Purchases goods/services from Government accounts			
125.303 Purchases from revolving funds	46,816	75,733	74,456
126.001 Supplies and materials	23,521		
131.001 Equipment	797,724	1,087,960	1,063,546
199.001 Total Direct obligations	874,110	1,171,990	1,145,551
Reimbursable obligations:			
231.001 Equipment	250	9,400	9,400
299.001 Total Reimbursable obligations	250	9,400	9,400
999.901 Total obligations	 874,360	1,181,390	1,154,951

## Comparison of FY 2000 Program Requirements as Reflected in the FY 2000 Budget with the FY 2000 Requirements as shown in the FY 2001 Budget

DATE: February 2000

Summary of Requirements (In Millions of Dollars)

NOMENCLATURE	Total Program Requirements per FY 2000 Budget	Total Program Requirements per FY 2001 Budget	Increase or Decrease (-)
BA 2: WEAPONS & TRACKED COMBAT VEHICLES	113.3	172.6	59.3
BA 3: GUIDED MISSILES & EQUIPMENT	96.5	96.4	-0.1
BA 4: COMMUNICATIONS & ELECTRONICS EQUIPMEN	T 470.1	544.9	74.8
BA 5: SUPPORT VEHICLES	282.8	282.7	-0.1
BA 6: ENGINEER & OTHER EQUIPMENT	137.0	166.4	29.4
BA 7: SPARES & REPAIR PARTS	37.5	31.2	-6.3
Subtotal Direct Program	n 1137.2	1294.2	157.0
Reimbursable	9.4	9.4	0.0
Total Fiscal Yea	ır 1146.6	1303.6	157.0

## Comparison of FY 2000 Program Requirements as Reflected in the FY 2000 Budget with the FY 2000 Requirements as shown in the FY 2001 Budget

Summary of Requirements (In Millions of Dollars)

### BA 2: Weapons and Tracked Combat Vehicles +\$59.3

Changes reflect Congressional add (\$60.5) for upgrade of M88A1 Recovery Vehicles to the M88A2 Improved Recovery Vehicle variant and Congressional across-the-board reduction (-\$1.2).

### BA 3: Guided Missiles and Equipment -\$0.1

Change reflects Congressional across-the-board reduction (-\$0.1).

### BA 4: Communications and Electronics Equipment +\$74.8

Changes reflect Congressional adds for K-Band Test Obscuration Pairing System (\$2.8), Night Vision Equipment (\$8.5), Next Generation EPLRS (\$10.9), upgrade and replacement of key information transfer components at located inside buildings on Marine Corps bases and stations (\$45.0), modification of the Ground Based Common Sensor for integration into the Mobile Electronic Warfare Support System (MEWSS) Light Armored Vehicle (\$3.0), Shortstop Electronic Protection System (\$5.0), and below threshold reprogrammings (\$3.4). Reductions reflect the Congressional across-the-board reduction (-\$3.5)

### BA 5: Support Vehicles -\$0.1

Change reflects Congressional across-the-board reduction (-\$0.1).

### BA 6: Engineer and Other Equipment +\$29.4

Changes reflect Congressional adds for Ultimate Building Machine (\$2.0), remanufacture of D-7G Bulldozers (\$16.5), Chemical Biological Incident Respon Team (\$3.0), Small Unit Biological Detector (\$2.5), Laser Levelinig Equipment (\$1.0), Distance Learning (\$3.0), and below threshhold reprogrammings (\$2 Reductions reflect the Congressional across-the-board reduction (-\$1.2).

### BA 7: Spares and Repair Parts -\$6.3

Changes reflect below threshhold reprogrammings (-\$6.0) and Congressional across-the-board reduction (-\$0.3).

## Comparison of FY 2000 Program Requirements as Reflected in the FY 2000 Budget with the FY 2000 Requirements as shown in the FY 2001 Budget

### Summary of Requirements (In Millions of Dollars)

	Financing	Financing	Increase
	per	per	or
Description	FY 2000 Budget	FY 2001 Budget	Decrease (-)
Program Requirements (Total)	1146.6	1303.6	157.0
(Total Direct)	(1137.2)	(1294.2)	(157.0)
(Total Reimbursable)	(9.4)	(9.4)	0.0
Less:			
Anticipated Reimbursements	9.4	9.4	0.0

### **Explanation of Changes in Financing:**

The \$157.0 million increase in program requirements is the result of Congressional adds (\$163.7), below threshhold reprogrammings (net zero), and Congressional across-the-board adjustments (-\$6.7).

## Comparison of FY 1999 Program Requirements as Reflected in the FY 2000 Budget with the FY 1999 Requirements as shown in the FY 2001 Budget

DATE: February 2000

Summary of Requirements (In Millions of Dollars)

NOMENCLATURE	Total Program Requirements per FY 2000 Budget	Total Program Requirements per FY 2001 Budget	Increase or Decrease (-)
BA 2: WEAPONS & TRACKED COMBAT VEHICLES	103.7	103.7	0.0
BA 3: GUIDED MISSILES & EQUIPMENT	86.8	86.8	0.0
BA 4: COMMUNICATIONS & ELECTRONICS EQUIPMENT	386.7	395.5	8.7
BA 5: SUPPORT VEHICLES	156.1	166.6	10.5
BA 6: ENGINEER & OTHER EQUIPMENT	74.2	78.2	4.0
BA 7: SPARES & REPAIR PARTS	38.9	26.7	-12.2
Subtotal Direct Program	846.5	857.5	10.9
Reimbursable	9.4	9.4	0.0
Total Fiscal Year	855.9	866.9	10.9

## Comparison of FY 1999 Program Requirements as Reflected in the FY 2000 Budget with the FY 1999 Requirements as shown in the FY 2001 Budget

Summary of Requirements (In Millions of Dollars)

- BA 2: Weapons and Tracked Combat Vehicles \$0.0
- BA 3: Guided Missiles and Equipment \$0.0
- BA 4: Communications and Electronics Equipment +\$8.7 Changes reflect below threshhold reprogramming for Y2K Switches (\$15.7), various other minor below threshhold reprogrammings (-\$2.0), and Section 8090 Inflation Reduction (-\$5.0).
- BA 5: Support Vehicles +\$10.5
  Changes reflect various below threshhold reprogrammings for Commercial Cargo Vehicles (\$9.0), Commercial Passenger Vehicles (-\$0.4), 5/4 Ton Truck HMMWV (\$0.5), Light Tactical Vehicle Replacement (\$0.7), and Logistics Vehicle System Replacement (\$0.7).
- BA 6: Engineer and Other Equipment +\$4.0
  Changes reflect below threshhold adjustments for Assorted Power Equipment (-\$0.6), Amphibious Raid Equipment (-\$0.9), Material Handling Equipment (\$0.5), First Destination Transportation (-\$2.8), Containers (-\$0.7), other assorted items (\$0.2), and Cancelled Account Adjustments (\$8.2).
- BA 7: Spares and Repair Parts -\$12.2 Changes reflect below threshhold reprogramming (-\$12.2).

## Comparison of FY 1999 Financing as Reflected in the FY 2000 Budget with the FY 1999 Financing as shown in the FY 2001 Budget

### Summary of requirements (In millions of Dollars)

	Financing	Financing	Increase
Description	per FY 2000 Budget	per FY 2001 Budget	or Decrease (-)
Description	F 1 2000 budget	F 1 2001 Budget	Decrease (-)
Program Requirements (Total)	855.9	866.9	10.9
(Total Direct)	(846.5)	(857.5)	(10.9)
(Total Reimbursable)	(9.4)	(9.4)	0.0
Less:			
Anticipated Reimbursements	(9.4)	(9.4)	0.0

### **Explanation of Changes in Financing:**

Changes reflect various reprogrammings (\$15.9) and Section 8090 Inflation Reduction (-\$5.0).

: , Marine Corps (1109) / Communic rior Years 49	ations and Electronic Equipme	ent (4)	Code:			ure:	AUTO TEST E	QUIP (P44419)	Feb 2000	
, Marine Corps (1109) / Communication (1109)		.,	Code:	Other Related Prog		Tem Nomenclature:  AUTO TEST EQUIP (P44419)  FY 2002 FY 2003 FY 2004 FY 2005 To Complete Total Prog  224  90.3  0.0  0.0  0.0  0.0  90.3  0.3  1.8  0.3  2apabilities to the forward edge of the battlefield to test line				
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)   Code:   Co										
49	FY		Code:	Other Related Prog	-			, ,		
49	FY			_	ram Elements:					
Propertication   Sheet   Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)   Program Elements:   Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)   Program Elements:   Code:   Other Related Program Elements:   Program Elements:   Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)   Program Elements:   Prince Code Bitems:   Prin										
Exhibit P-40, Budget Item Justification Sheet				Total Prog						
07 F										
21.5	:	29.2	28.9	4.7						90.3
Exhibit P-40, Budget Item Justification Sheet										
49     90     85       27.5     29.2     28.9       Proc     90     85       29.2     28.9       29.2     28.9       0.7     0.7				4.7	0.0	0.0	0.0	0.0		90.3
			0.7	0.8	0.3					1.8
27.5		29.2	29.6	5.5	0.3					92.1

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ But Procurement	, Marine Co	/Serial No: irps (1109) / Comn nic Equipment (4)	nunications and	P-1 Line Ite	m Nomenclature: AUTO TEST E	QUIP (P44419)		Weapon System	Гуре:	Date: Feb	ruary 2000
Weapon System	ID			=		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
COSt Liements		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AN/USM-657 THIRD ECHELON TEST SYS TETS (BASIC) TETS RADIO FREQUENCY (RF) TETS INTERFACE(SAIF) TETS ELECTRO-OPTIC (EO)	A A A				17024 7297	90 27	189151 270260	16078 10477 1415	85 126 175	189151 83154 8087			
SPECIAL TEST EQUIPMENT DTHER SUPPORT FACTORY TRAINING IRAVEL LS ENGINEERING CHANGES FIRST ARTICLE TEST (EO) CALIBRATION STANDARDS FOR EO DPTION					850 1091 50 10 50 358 2515			782 50 10 50			100 947 100 10 50 200		
EST EQUIPMENT FOR EO REPAIRS											1450		
TOTAL Active Reserve					29245 26745 2500			28862 26662 2200			4714 4418 296		
Reserve													

Exhi	bit P-5a, Budget Procuremen								February 2	2000
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electron	onic	Weapon Syst	em Type:		P-1 Line Item	Nomenclature AL	: JTO TEST EQUIP (	P44419)		
Equipment (4) WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu
Fiscal Years		and Type			Delivery	Each	\$		Avail	
AN/USM-657 THIRD ECHELON TEST SYS										
TETS (BASIC) FY 99	Mantech Systems Engr Corp Chantilly, VA	O/FP	MCSC, Quantico, VA	Sep-99	May-00	90	189151	Y		N/A
FY 00	Mantech Systems Engr Corp	O/FP	MCSC, Quantico, VA	Nov-99	May-00	VAR	VAR	Υ		N/A
TETS (RF)	Chantilly, VA									
FY 00	Mantech Systems Engr Corp Chantilly, VA	O/FP	MCSC, Quantico, VA	Nov-99	May-00	VAR	VAR	Υ		N/A
TETS (EO) FY 99	Mantech Systems Engr Corp Chantilly, VA	O/FP	MCSC, Quantico, VA	Sep-99	May-01	27	270260	Y		N/A
REMARKS:										

Exhibit P-20	Poquiro	monte St	udv	Approriation/Budget A	ctivity/Serial No:		•		Date:		•
EXHIBIT F-20	, Require	illellis St	uuy	Procure	ment, Marine Corps (1	109) / Communications	and Electronic Equip	ment (4)		Feb 2000	
P-1 Line Item Nomencla	ture (Include DO	DIC for Ammuni	tion Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
	AU <sup>-</sup>	TO TEST EQUIF	P (P44419)			6	Months			6	Months
Line Descriptions					FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary					90	85					
Unit Cost					189.2	189.2					
Total Cost					17024.0	16078.0					
Asset Dynamics											
Beginning Ass	et Position	(FY 97 LRI	P)	12	12	12	115	180	226		
Deliveries from	າ:	FY 1999	Funding	-		64	26				
Deliveries from	າ:	FY 2000	Funding				39	46			
Deliveries from	า:	FY 2001	Funding								
Deliveries from	n Subsequer	nt Years Fun	ds								
Other Gains						39					
Combat Losse	S										
Training Losse	es										
Test Losses											
Other Losses											
Disposals/Reti	rements/Attr	ritions									
End of Year As	sset Position	1		12	12	115	180	226			
Inventory Objectiv	e or Current	. Authorized	Allowance								
Inventory Ob	ojective	Acti	ual Training	Other tha	n Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
228		Ex	penditures	Us	age	(Vehicle	s/Other)	for Replacemen		TOAI	
Assets Rqd for		thru		thru		thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX			·	Inactive Inv	
Total:										Storage	

**Remarks:** These numbers show TETS system quantities. There are three versions of TETS; (V)1 = Basic, (V)2 = RF and (V)3 = EO. The RF and EO versions are not stand alone systems. The TETS (V)1 Basic is a standalone system but is also the basic platform required for the RF and EO versions. For the quantity of 226 shown above: Basic (V)1=40, RF (V)2=159 and EO (V)3=27.

FY 00 / 01 BUDGET PROD	UC	TION SC	HED				P-1 I	tem No	omeno	clature					ΓEQL	JIP (P4	44419	)					Date				Febr	uary 2	000		
	М		s	PROC QTY	ACCEP. PRIOR	BAL DUE						cal `		Cale		r Ye									alen	dar `	Year	01			L A
COST ELEMENTS	F R	FY	E R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J L	A U G	S E P	T E R
AN/USM-657 THIRD ECHELON TEST S	YS																														
Third Echelon Test System	1	FY 99	MC	90	0	90								8	8	8	8	8	8	8	8	8	8	8	2						
Third Echelon Test System	1	FY 00	MC	85	0	85		Α																	6	8	8	8	8	8	37
							0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	
							C T	0 V	E	A N	E B	A R	P R	A Y	U N	U	U	SEP	O C T	0 V	D E C	A N	E B	A R	P R	A Y	U N	U L	U	E P	
M F		PF	RODUCTI	ION RATES		REACHED		FR mber					Pri	ADN ior 1 C		EAD T	IME ter 1 C	Oct.	Af	MFR er 1 0			TOTA		R	EMAF	RKS				
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	Fyh	ibit P-40, Budget Item J	lustification	Sheet			Date:		F-h 2000	
		bit i -40, buaget item o	ustilication	Oneet					February 2000	
Appropriation / Budget Activity/					P-1 Item Nomenclar					
	ement, Marine Corps (1109) / Communicat	ons and Electronic Equipment (4) / 018				GENERAL	PURPOSE ELECT	RONIC TEST EQU	IP (P44588)	
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:					
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty										
Gross Cost	38.3	9.1	10.6	8.2	8.0	8.3	8.6	9.0	Cont.	Cont.
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)	38.3	9.1	10.6	8.2	8.0	8.3	8.6	9.0	Cont.	Cont.
Initial Spares	1.3	0.1	0.5	0.3	0.2	0.3	0.2	0.3	Cont.	Cont.
Total Proc Cost	39.6	9.2	11.1	8.5	8.2	8.6	8.8	9.3	Cont.	Cont.
Flyaway U/C										
Wpn Sys Proc U/C										·

Funds allocated under this line are used to procure General Purpose Electronic Test Equipment (GPETE) items. Funds sustain modernization and standardization efforts, in addition to meeting new requirements. These GPETE items are required to support USMC weapon systems that utilize or consist of electronic components. USMC operating forces (Division and Wing) use GPETE items to test and measure the performance of their weapon systems to ensure they are operating properly and safely. USMC supporting maintenance forces, Force Service Support Group (FSSG) use GPETE items to test, troubleshoot, repair, and align broken weapon systems due to normal operational failures or due to combat damage. This GPETE is essential to the operational readiness of the Marine Corps for the installation, operation, and maintenance (preventive and routine) of electronic weapon systems and equipment in both the USMC operating forces (Div/Wing/FSSG) as well as the supporting establishment (Schools/Bases). (RCN: 045887)

This is a roll-up line that consists of many different items and separate acquisitions.

All of these items are required to support other Marine Corps systems already fielded or in the acquisition pipeline.

Exhibit P-5, Weapon		Appropriation/ Bud	dget Activity	/Serial No:		P-1 Line Iter	n Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement,		os /Communicatior Equipment	ns and Electronic	GENER	AL PURPOSE EL (P44	ECTRONIC TEST 588)	EQUIP			Febr	uary 2000
Weapon System	ID					FY 99	,	,	FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
FUNCTION GENERATOR					\$OOO 601	Each 250	\$ 2403	\$000 605	Each 250	\$ 2419	\$OOO 605	Each 250	\$ 2421
PROTOCOL ANALYZER, LOCAL AREA NETWORK (LAN)					640	60	10667	535	50	10699	643	60	10719
PROTOCOL ANALYZER, TELEPHONE (TEL)					692	30	23083	694	30	23142	811	35	23158
HANDHELD BIT ERROR RATE TESTER (BERT)					313	100	3133						
FREQUENCY COUNTER (CW)					136	30	4544						
ANALYZER, SPECTRUM (RF)					204	25	8176						
OSCILLOSCOPE					2280	250	9119	2281	250	9124	2374	260	9131
ADAPTER, CONNECTOR					138	50	2759						
BATTERY TESTER					1678	335	5009						
ANALYZER POWER (HANDHELD)					119	50	2374	121	50	2412	121	50	2429
TEST SET, RADIO					455	30	15160	457	30	15220	457	30	15243
CABLE TESTER (LAN)					173	50	3465	174	50	3470	174	50	3475
CONTROLER (LAB VOLT)					398	150	2653						
TEST SET, TELCOM					389	40	9729	389	40	9733	390	40	9739
MULTIMETER					97	50	1945	195	100	1946	195	100	1947
OSCILLOSCOPE (HANDHELD)								1045	120	8708	960	110	8727
COMPUTER TEST EQUIPMENT					76	22	3460						
FREQUENCY COUNTER (RF)								569	500	1138	600	500	1200

Exhibi	t P-5a, Budget Procurement I	History a	nd Planning					Date:	February	2000
Appropriation / Budget Activity/Serial No:	-	Weapon Syste	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps /Communications and Electronic Equipme P4458018	nt /				GEN	IERAL PURPO	OSE ELECTRONIC	TEST EC	UIP (P44	588)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu
Fiscal Years		and Type			Delivery	Each	\$	,	Avail	Date
FUNCTION GENERATOR										
FY 99	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-99	Apr-99	250	2403	Yes	N/A	N/A
FY 00			Navy (NAVICP)	Jan-00	Apr-00	250		Yes	N/A	N/A
FY 01			Navy (NAVICP)	Jan-01	Apr-01	250		Yes	N/A	N/A
PROTOCOL ANALYZER (LAN)										
FY 99	Fluke, Everett, WA	MII STRIP	Navy (NAVICP)	Jan-99	May-99	60	10667	Yes	N/A	N/A
FY 00	Fluke, Everett, WA		Navy (NAVICP)	Jan-00	May-00	50		Yes	N/A	N/A
FY 01	Fluke, Everett, WA		Navy (NAVICP)	Jan-01	May-01	60			N/A	N/A
PROTOCOL ANALYZER (TEL)	l									
FY 99	W&G, Triangle Park, NC		Navy (NAVICP)		May-99	30			N/A	N/A
FY 00	W&G, Triangle Park, NC		Navy (NAVICP)	Jan-00	May-00	30		Yes	N/A	N/A
FY 01	W&G, Triangle Park, NC	MILSTRIP	Navy (NAVICP)	Jan-01	May-01	35	23158	Yes	N/A	N/A
HANDHELD BIT ERROR RATE TESTER (BERT)										
FY 99	IDS, Lincoln, RI	MILSTRIP	USMC	Jan-99	May-99	100	3133	Yes	N/A	N/A
FREQUENCY COUNTER (CW)										
FY 99	Hewlett Packard,SantaClara, CA	MILSTRIP	Navy (NAVICP)	Jan-99	May-99	30	4544	Yes	N/A	N/A
ANALYZER, SPECTRUM (RF)										
FY 99	Anritsu, Morgan Hill, CA	MILSTRIP	Navy (NAVCP)	Jan-99	Apr-99	25	8176	Yes	N/A	N/A
I	, , ,									
REMARKS:										

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COST ELEMENTS	R		R		1 OCT	1 OCT	0	0	Ε	Α	Е	Α	Р	Α	U	U	U	Е	O	0	Ε	Α	Е	Α	Р	Α	U	U	U	Е	E
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OSCILLOSCOPE																									┢					_	
OSCILLOSCOPE	1	FY 99	MC	250	200	50																			┼						50
	1	FY 00	MC	250	0	250				A			50	50	50	50	50								$\vdash$						50
	1	FY 01	MC	260	0	260				A			50	50	50	50	50					A			50	50	50	50	50	10	
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OSCILLOSCOPE (HANDHELD)																															
	4	FY 00	MC	120	0	120				Α						20	30	30	40												
	4	FY 01	MC	110	0	110																Α						20	30	40	20
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2 W&G, Triangle Park, NC		*CI		*CI	*CI				INITI																1						
3 Delta Chemtronics		*CI		*CI	*CI				REO																4						
4 TBD		*CI		*CI	*CI	-			REO																4						
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H									REO																1						
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FY 00 / 01 BUDGET PR	ODUC	TION SO	HEDI	JLE			P-1 II	tem No	omeno			L PUR	POSE	E ELE	CTRO	NIC T	EST	QUIF	P (P44	588)			Date	:			Febru	Jary 2	000		
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COST ELEMENTS			V				Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	R
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OSCILLOSCOPE (HANDHELD)																															
	4	FY 00	MC	120	0	120				Α						20	30	30	40												
	4	FY 01	MC	110	0	110																Α						20	30	40	20
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2 W&G, Triangle Park, NC		*CI		*CI	*CI				INITI																1						
3 Delta Chemtronics		*CI		*CI	*CI				REO																4						
4 TBD		*CI		*CI	*CI	-			REO																4						
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	1	FY 00	MC	250	0	250																									250
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							T	V	С	N	В	R	R	Y	N	L	G	P	T	V	c	N	В	R	R	Y	N	L	G	P	
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1 Hewlett Packard, Santa Clara, CA		*CI *CI		CI CI	*CI *CI					RDER												<b>!</b>			-						
2 W&G, Triangle Park, NC 3 Delta Chemtronics		*CI		CI	*CI				REOF	RDER			-						1						1						
4 TBD		OI		01	Oi				INITIA																1						
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Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature				
Procurement, Marine Corps /Communications and Electro P4458018	nic Equipment /				GEN	IERAL PURPO	SE ELECTRONIC	TEST EQ	UIP (P445	588)
VBS Cost Elements:	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs Avail?	Date Revsn Avail	RFP Iss Date
DSCILLOSCOPE		AUL OTOLO	N. (NA) ((OD)	1. 00	4 00	050	0440	.,	A1/A	N1/A
FY 99	·		Navy (NAVICP)	Jan-99	Apr-99	250	9119		N/A	N/A
FY 00			Navy (NAVICP)	Jan-00	Apr-00	250	9124	Yes	N/A	N/A
FY 01	Hewlett Packard, Santa Clara, CA	MILSTRIP	Navy (NAVICP)	Jan-01	Apr-01	260	9131	Yes	N/A	N/A
ADAPTER, CONNECTOR										
Y99	IFR,WICHITA, KS	MIPR	Army, CECOM	May-99	Aug-99	50	2759	Yes	N/A	N/A
BATTERY TESTER										
FY 99	Delta Chemtronics	MILSTRIP	Army	Jan-99	Jul-99	335	5009	Yes	N/A	N/A
ANALYZER POWER (HANDHELD)										
Y 99	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Apr-99	Jul-99	50	2374	Yes	N/A	N/A
Y 00	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-00	May-00	50	2412	Yes	N/A	N/A
FY 01	Fluke, Everett, WA	MILSTRIP	Navy (NAVICP)	Jan-01	May-01	50	2429	Yes	N/A	N/A
EST SET, RADIO										
FY 99	IFR, Wichita, KS	C/FP	USMC	Apr-99	Sep-99	30	15160		N/A	N/A
FY 00	IFR, Wichita, KS	C/FP	USMC	Jan-00	Jun-00	30	15220	Yes	N/A	N/A
FY 01	IFR, Wichita, KS	C/FP	USMC	Jan-01	Jun-01	30	15243	Yes	N/A	N/A
REMARKS:										

	Exhibit P-5a, Budget Procurement	T	Ta Taming							
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps /Communications and Electr P4458018	ronic Equipment /				GEN	ERAL PURPO	OSE ELECTRONIC	TEST EC	UIP (P44	588)
/BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
iscal Years		and Type			Delivery	Each	\$		Avail	
CABLE TESTER (LAN)										
-Y 99	Wavetek, San Diego, CA	MIPR	Navy (NAVICP)	Jan-99	Apr-99	50	3465	Yes	N/A	N/A
Y 00	Wavetek, San Diego, CA	MIPR	Navy (NAVICP)	Jan-00	Apr-00	50	3470	Yes	N/A	N/A
Y 01	Wavetek, San Diego, CA	MIPR	Navy (NAVICP)	Jan-01	Apr-01	50			N/A	N/A
CONTROLER (LAB VOLT)										
Y 99	Hewlett Packard, Palo Alto, CA	C/FP	MCSC, Quantico, VA	May-99	Jul-99	150	2653	Yes	N/A	N/A
EST SET, TELCOM										
Y 99	TBD	C/FP	Navy (NAVICP)	Apr-99	Dec-99	40	9729	Yes	N/A	N/A
Y 00	TBD	MIPR	Navy (NAVICP)	Apr-00	Jun-00	40			N/A	N/A
Y 01	TBD	MIPR	Navy (NAVICP)	Apr-01	Jun-01	40	9739		N/A	N/A
MULTIMETER										
Y 99	TBD	C/FP	Navy (NAVICP)	Mar-99	Aug-99	50	1945	Yes	N/A	N/A
Y 00	TBD	MIPR	Navy (NAVICP)	Jan-00	Apr-00	100	1946	Yes	N/A	N/A
Y 01	TBD	MIPR	Navy (NAVICP)	Jan-01	Apr-01	100	1947	Yes	N/A	N/A
OSCILLOSCOPE (HANDHELD)										
Y 00	TBD	C/FP	TBD	Mar-00	Jul-00	120	8708	Yes	N/A	N/A
TY 01	TBD	C/FP	TBD	Jan-01	Jul-01	110	8727	Yes	N/A	N/A
REMARKS:									<u> </u>	
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<u>E</u>	xhibit P-5a, Budget Procurement	History a	nd Planning						February 2	2000
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps /Communications and Electronic P4458018	Equipment /		7.		GEN	ERAL PURPO	OSE ELECTRONIC	TEST EC	UIP (P44	588)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issu Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
COMPUTER TEST EQUIPMENT										
FY 99	Sencore, Sioux Falls, SD	C/FP	USMC	Mar-99	Jun-99	22	3460	Yes	N/A	N/A
FREQUENCY COUNTER (RF)										
FY 00 FY 01	Hewlett Packard Santa Anna CA Hewlett Packard Santa Anna CA		Navy (NAVICP) Navy (NAVICP)	Jan-00 Jan-01	Jul-00 Jul-01	500 500			N/A N/A	N/A N/A
REMARKS:										

Exhibit P-5, Weapon WPN SYST Cost Analysis	1	Appropriation/ Bud Procurement, I	Marine Corp	/Serial No: os /Communication Equipment	s and Electronic			ECTRONIC TEST	EQUIP	Weapon System	Type:	Date: Feb	uary 2000
Weapon System	ID					FY 99	,	,	FY 00		l '	FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
GGG Elements	1				\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
C-BAND TEST SYSTEM								2624					
SOFTWARE SUPPORT Operating Software Test Program Set, (TPS)/Gold Disks					288			389			396		
OGISTICS SUPPORT Training Material Factory Training Tech Manuals Provisioning Data Acceptance Testing					442			509			515		
FOTAL Active Reserve					9119 7733 1386			10587 9387 1200			8241 7033 1208		

	Exhibit P-	40, Budget It	em Justific		Date: Februa	ary 2000					
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, I	Marine Corps (1109) / Communications and	d Electronic Equipment	t (4)				INTELLIGENCE	E SUPPORT EQUIP	MENT (P44257)		
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	124.5		10.1	19.0	12.0	9.5	10.7	8.8	9.2	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	124.5		10.1	19.0	12.0	9.5	10.7	8.8	9.2	Cont	Cont
Initial Spares	9.8		4.4	3.2	1.1	2.8	0.8	0.3	0.8	Cont	Cont
Total Proc Cost	134.3		14.4	22.2	13.6	12.3	11.5	9.6	10.0	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

This is a composite line of the intelligence equipment which includes:

Trojan Spirit II - a mobile, stand alone SHF (C, Ku, and X) satellite communication processing system capable of providing secondary imagery products and secure, dial-up voice, data and facsimile communications to a worldwide internetwork of subscribers.

Intelligence Analysis System (IAS) (MEF) - will provide finished intelligence data to the commander in near-real-time, allowing him to act on intelligence, rather than react to events. The IAS consists of three subsystems: IAS (Suites), IAS (MEF), and IAS (Workstations).

Radio Reconnaissance Equipment Program (RREP) - provides the FMF Radio Battalions, Radio Reconnaissance Platoons (RRP) with mission unique Signals Intelligence/Ground Electronic Warfare (SIGINT/EW) Equipment suites.

CI/HUMINT Equipment Program (CIHEP) - provides CH/HUMINT Companies with an enhanced capability to collect, receive, process and disseminate counterintelligence (CI), interrogator-translator (IT) and human resources intelligence (HUMINT) from overt, sensitive, technical, tactical, CI/Force Protection and HUMINT operations in the service, joint and combined forces arenas.

Topographic Production Capability (TPC) - an advanced Geographic Information System which employs commercial computer and software to provide the framework data for the common battlefield visualization by producing both hardcopy and digital geographic intelligence.

Exhibit P-40, Budget Item Justification Sheet	Date: February 2000
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)	P-1 Item Nomenclature: INTELLIGENCE SUPPORT EQUIPMENT (P44257)
Intelligence Broadcast Receiver (IBR) - provides the Marine Corps with a multi-service intelligence dissemination architecture panel.	ssemination interoperability into the next century, meeting criteria by the multi-service intelligence
Coastal Battlefield Reconnaissance and Analysis (COBRA) - a passive multispectral sensor system or	apable of operating in a PIONEER unmanned aerial vehicle (UAV).
Tactical Remote Sensor System (TRSS) - will provide all weather direction, location determination, ta Interest.	rgeting, and tactical indications and warning of enemy activity in the Marine Commander's Area of
The TEG is a highly mobile imagery ground station designed to process tactical imagery in support of System (JSIPS), complementing the capabilities of the JSIPS National Input Segment (NIS) located	the MAGTF commander. The system is an integral component of the Joint Service Imagery Processing at Camp Pendleton.

				_				Date:				
Exhibit P-40a, Budget Ite	m Ju	stific	ation for	Aggregat	ed Items					February 200	00	
Appropriation / Budget Activity						P-1 Item Nome						
Procurement, Marine Corps (1109) / Commun	nications							INTELLIGENCE	SUPPORT EQ	UIPMENT (P44:		
Procurement Items	Code	UOM	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
TROJAN SPIRT II	Α	D		0.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	5.1
		Q			6							
INTELLIGENCE ANALYSIS SYSTEM (MEF)	Α	D		10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1
		Q										
RADIO RECONNAISSANCE EQUIP PROGRAM	Α	D		0.0	2.8	0.0	0.0	3.9	0.0	0.0	0.0	6.7
		Q			18			18				
CI/HUMINT EQUIPMENT PROGRAM	Α	D		0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6
		Q			41							
TOPOGRAPHIC PRODUCTION CAPABILIT	В	D		0.0	0.0	7.2	6.6	3.9	1.6	0.6	Cont	Cont
		Q				2	2	1				
INTELLIGENCE BROADCAST RECEIVER (IBR)	Α	D		0.0	1.5	3.8	0.0	0.0	0.0	0.0	0.0	5.3
		Q			9	26						
COASTAL BATTLEFIELD RECON ANALYSIS	В	D		0.0	0.0	0.0	0.0	0.0	4.3	8.7	Cont	Cont
		Q										
TACTICAL REMOTE SENSOR SYSTEM (TRSS)	Α	D		0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
		Q										
JSIPS TEG	Α	D		0.0	1.0	1.0	2.9	2.9	2.9	0.0	0.0	10.6
00		Q		0.0				2.0	2.0	0.0		
												<u> </u>

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity	Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procuremen		rps (1109) / Comr Equipment (4) / 02		INTELL	IGENCE SUPPOR	RT EQUIPMENT (F	P44257)			Febr	uary 2000
Weapon System	ID		LIGOTIO IIIC I	_quipinent ( <del>4</del> ) / 02		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TROJAN SPIRT II	Α							5094					
NTELLIGENCE ANALYSIS SYSTEM (MEF)	Α				10063								
RADIO RECONNAISSANCE EQUIP	Α							2841					
CI/HUMINT EQUIPMENT PROGRAM	Α							2613					
TOPOGRAPHIC PRODUCTION CAPABILITY	В										7162		
NTELLIGENCE BROADCAST RECEIVER	Α							1464			3839		
TACTICAL REMOTE SENSOR SYSTEM	Α							6020					
JSIPS TEG	Α							973			959		
TOTAL ACTIVE RESERVES					10063 9075 988			19005 18523 482			11960 11960 0		

						Date:				
Exhib	it P-40, Budget I	tem Justifi	cation Shee	t				February 2000		
rial No:				P-1 Item Nomencla	iture:	•				
e Corps (1109) / Communications	s and Electronic Equipment (	4) / 020				TR	OJAN SPIRT II (A44	104)		
ems:		Code:	Other Related Pro	gram Elements:						
		Α								
Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
2			6							8.0
7.5			5.1							12.6
7.5			5.1							12.6
		0.3			0.7					1.0
7.5		0.3	5.1		0.7					13.7
4			.8							
									anterina syste	т сараые
r	rial No: e Corps (1109) / Communications ms:  Prior Years 2 7.5 7.5 7.5 4 nd Antenna is a rugg meter triband SATC	rial No: e Corps (1109) / Communications and Electronic Equipment (sms:  Prior Years FY 1998 2 7.5 7.5 7.5 4 and Antenna is a ruggedized, HMMW\ meter triband SATCOM antenna, tra	rial No:  e Corps (1109) / Communications and Electronic Equipment (4) / 020  ms:  Code:  A  Prior Years FY 1998 FY 1999  2  7.5  0.3  7.5  0.3  A  A  A  A  A  A  A  A  A  A  A  A  A	Prior Years   FY 1998   FY 1999   FY 2000	Code:	P-1   Item Nomenclature:   P-1   Item Nomencla	Prior Years   FY 1998   FY 1999   FY 2000   FY 2001   FY 2002   FY 2003	P-1   Item Nomenclature:   P-1   Item Nomenclature:     P-1   Item Nomenclature:	Prior Years   Fy 1998   Fy 1999   Fy 2000   Fy 2001   Fy 2002   Fy 2003   Fy 2004   Fy 2005	P-1   tem Nomenclature:   P-2   tem Nomenclature:   P-1   tem Nomenclature:

Exhibit P-5, Weapon		Appropriation/ Bu				P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement	, Marine Co Electronic I	rps (1109) / Comr Equipment (4) / 02	nunications and		TROJAN SPI	RT II (A44104)				Febi	ruary 2000
Weapon System	ID		FY 98	- 4	~	FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Antenna-66AS-2	А							5094	6	849000			
TOTAL Active Reserve								5094 5094					

	Exhibit P-5a, Budget Procurement	History a	nd Planning					Date:	February 2	2000
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications Equipment (4) / 020		Weapon Syst			P-1 Line Item		e: TROJAN SPIRT II (A	44104)		
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
Antenna-66AS-2										
FY 00	USA CECOM Ft Monmouth, NJ	FFP	USA CECOM	Jan-00	Jun-00	6	849000	Yes	No	N/A
REMARKS:										

Exhibit P-20,	Paguiram	onte Stu	dv	Approriation/Budget A	ctivity/Serial No:				Date:		
	•			Procureme		9) / Communications a	nd Electronic Equipme	ent (4) / 020		February 2000	
P-1 Line Item Nomenclatur	re (Include DODI	C for Ammunition	on Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
INTELLIGE	NCE SUPPORT	EQUIPMENT (	P44257)	Trojan Spirit II		3	Months			5	Months
Line Descriptions				FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary						6					
Unit Cost						849.0					
Total Cost						5094.0					
Asset Dynamics											
Beginning Asset	t Position			2	2	2	8	8	8	8	
Deliveries from:	F	Y 1999	Funding								
Deliveries from:	F	Y 2000	Funding			6					
Deliveries from:	F	Y 2001	Funding								
Deliveries from	Subsequent '	Years Fund	S								
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retire	ements/Attriti	ons									
End of Year Ass	set Position			2	2	8	8	8	8	8	
Inventory Objective	or Current A	Authorized A	llowance								
Inventory Obje	ective	Actua	al Training	Other tha	n Training	Dispo	osals	Vehicles Eligible	Э	Aircraft:	
8		Expe	enditures	Us	age	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	9	8 thru		98 thru		98 thru				PAA:	
Combat Loads:	F	Y XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	F	Y XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:		YXXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	F	YXXXX		FY XXXX		FY XXXX		]		Inactive Inv	
Total:										Storage	

Remarks:
----------

FY 00 / 01 BUDGET PR	ODUC	CTION SO	CHEDI	JLE			P-1 I	tem No	omenc	clature	:		TR	OJAN S	PIRT II	(A4410	04)						Date	ı:			Febr	uary 2	000		
				PROC	ACCEP.	BAL					Fis	scal `	Year	. 00									Fis		Yea						L
COST ELEMENTS	M F R	FY	S E R V	QTY Each	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	y Yea	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	Α	М	Year J U N	<b>01</b> ∪ L	A U G	S E P	A T E R
TROJAN SPIRIT II	1	00	М	6	0	6				Α					6																
																									1						
	-																														
	-																								1						
							0 C	N O V	D E	J A	F E	M A R	A P	M A	J	Ŋ	A U	S E	O C T	N O	D E	J A	F E B	M A	Р	M A	Ŋ	J	A U	S E	
м		Р	RODUCTI	ON RATES		I	T M	V FR	С	N	В	R	R	Y ADN	N MIN LI	L EAD T	G IME	Р	Т	V MFR	С	N	B TOTA	R	R R	Y EMAF	N KS	L	G	Р	
F						REACHED	Nur	mber					Pr	ior 1 C	Oct.	Aft	ter 1 C	Oct.	Aft	ter 1 C	Oct.	Af	fter 1 (	Oct.	* C	Classif	ed: Ur	navaila	ble at	this tin	ne.
R NAME / LOCATION  1 USA CECOM FT MONMOUTH, NJ		MIN.	1	-8-5 *	MAX.	D+	I		REOF	AL RDER	:	4					3			5			8		ł						
									INITIA	AL															1						
					<del> </del>				REO	RDER AL	l .														ł						
									REO	RDER	ļ.														1						
		-				-	•		INITIA REOF	AL RDER	:								<b> </b>			<b> </b>			1						
									INITIA	AL															1						
					1				REO	RDER	!																				

	Exhib	it P-40, Budget I	tem Justifi	cation Sheet	t		Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:	-				
Procurement, Mar	ine Corps (1109) / Communication	s and Electronic Equipment (	4) / 020				RADIO RECONNA	ISSANCE EQUIP P	ROGRAM (A44435	)	
Program Elements for Code B I	tems:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	18			18			18				54
Gross Cost	2.7			2.8			3.9				9.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	2.7			2.8			3.9				9.4
Initial Spares											
Total Proc Cost	2.7			2.8			3.9				9.4
Flyaway U/C											
Wpn Sys Proc U/C				.2			.2				

The Radio Reconnaissance Equipment Program (RREP) provides the FMF Radio Battalions, Radio Reconnaissance Platoons (RRP) with mission unique Signals Intelligence/Ground Electronic Warfare (SIGINT/EW) Equipment suites. Continuing with an evolutionary acquisition approach, the third suite RREP-SS-2 will provide the RRPs with the capability to conduct SIGINT/EW operations in support of Marine Air Ground Task Force (MAGTF) Commanders during advance force, special operations, and other special purpose missions where the use of conventional Radio Battalion assets are not feasible. RREP-SS-2 is a ruggedized, modular, man packable system specifically designed utilizing emerging NDI/COTS technology for RRP operations, particularly those conducted under the most austere conditions. The RREP-SS-2 module configuration has an "open systems" architecture that will permit future upgrades by simply installing cutting edge NDI/COTS technology into the standard modules. The fourth suite, RREP-SS-3, to be fielded in FY04, will have the added capability to intercept those emerging target sets as identified by the NSA, be operated from remoted positions, and incorporate polymer battery technologies.

	Exhib	it P-40, Budget I	tem Justifi	cation Shee	t		Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communication	s and Electronic Equipment (	4) / 020					CI/HUMINT (A443X)	K)		
Program Elements for Code B I	tems:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	24			41							65
Gross Cost	4.6			2.6							7.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	4.6			2.6							7.2
Initial Spares											
Total Proc Cost	4.6			2.6							7.2
Flyaway U/C											
Wpn Sys Proc U/C	0			.1							.1

The Counterintelligence and Human Intelligence Equipment Program (CIHEP) is suites of state-of-the-market commercial-off-the-shelf (COTS) and non-developmental item (NDI) equipment. CIHEP provides each CI/HUMINT Company with the ability to collect, receive, process and disseminate counterintelligence (CI), interrogator-translator (IT) and human intelligence (HUMINT) information from overt, controlled, sensitive, technical, tactical, CI/Force Protection and HUMINT operations in the service, joint and combined forces arenas. CIHEP integrates audio, video, imagery, communications, technical surveillance and automated data processing equipment modules into lightweight, scaleable, deployable packages. CIHEP will replace outdated equipment currently used by CI/HUMINT Companies.

\*\*\*Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). The following amounts are for this project:

Workstations FY00 FY01 FY02 FY03 FY04 FY05 QTY 117 \$ 0.615

	Exhibi	it P-40, Budget I	tem Justific	cation Shee	t		Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communications	s and Electronic Equipment (4	4) / 020				TOPOGRAPHIC	PRODUCTION CAP	ABILITY (A444XX)		
Program Elements for Code B I	tems:		Code:	Other Related Prog	gram Elements:						
			В								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty					2	2	1				5
Gross Cost					7.2	6.6	3.9	1.6	0.6	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)					7.2	6.6	3.9	1.6	0.6	Cont	Cont
Initial Spares						0.5	0.5	0.3			1.3
Total Proc Cost					7.2	7.2	4.5	1.9	0.6	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C					3.1	3.3	3.9				10.3

The TPC is an advanced Geographic Information System, which employs commercial computer and software to provide the framework data for the common battlefield visualization by producing both hardcopy and digital geographic intelligence.

\*\*\*Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). The following amounts are for this project:

QTY/FY01 QTY/FY02 QTY/FY03
WORKSTATIONS 48/0.667 48/0.667 14/0.200
SERVERS 16/0.754 16/0.754 0

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bud	t, Marine Co	/Serial No: orps (1109) / Comr Equipment (4) / 02	nunications and		em Nomenclature: APHIC PRODUC	TION CAPABILITY	(A444XX)	Weapon System	Туре:	Date: Febr	ruary 2000
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Oot Liemento		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Topographic Production Capability											6116		3058000
Contractor Support Services Integrated logistics Support											381 665		
TOTAL Active Reserve											7162 7162 0		

Exh	ibit P-5a, Budget Procureme	nt History a	nd Planning						February 2	2000
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclature	9:			
Procurement, Marine Corps (1109) / Communications and Elect Equipment (4) / 020	ronic				Т	OPOGRAPHI	C PRODUCTION C		Y (A444X)	•
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Is Date
iscal Years		and Type			Delivery	Each	\$		Avail	
opographic Production Capability Y 01	TBD	TBD	TBD	TBD	TBD	2	3058000	No	N/A	N/A
REMARKS:			ļ						<u> </u>	<u> </u>

Exhibit P-20, R	Paguirama	nte Sti	ıdv	Approriation/Budget	Activity/Serial No:	<u> </u>			Date:		
	<u>-</u>			Procurem			and Electronic Equipmen			February 2000	
P-1 Line Item Nomenclature	(Include DODIC f	for Ammuniti	on Items):		Admin Leadtime (aft	er Oct 1):			Prod Leadtime:		
IN	ITELLIGENCE SU	JPPORT EQ	UIPMENT (P44257)	_		xx	Months			xx	Months
Line Descriptions				FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary TP	PC .						2	2	1		
Unit Cost							3581.0	3317.5	3931.0		
Total Cost							7162.0	6635.0	3931.0		
Asset Dynamics											
Beginning Asset F	Position							2	4		
Deliveries from:	FY	1999	Funding								
Deliveries from:	FY	2000	Funding								
Deliveries from:	FY	2001	Funding				2				
Deliveries from St	Subsequent Ye	ears Fund	ls					2	1		
Other Gains											
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retiren	ments/Attrition	ns									
End of Year Asse	et Position						2	4	5		
Inventory Objective o	or Current Aut	thorized A	Allowance								
Inventory Object	ctive	Actu	al Training	Other that	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
5		Exp	enditures	Us	sage	(Vehicle		for Replacemen		TOAI	
Assets Rqd for	98	thru		98 thru		98 thru		-		PAA:	
Combat Loads:	FY	XXXX		FY XXXX		FY XXXX	<u> </u>	FY 2000		TAI	
WRM Rqmt:	FY	XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY	XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:	FY	XXXX		FY XXXX		FY XXXX		·		Inactive Inv	
Total:						<u> </u>				Storage	

Remarks: \*\*\*Note: Starting in FY00 total system cost includes funding from BLI 463000 (CCR) in the amounts identified on the P-40 for this project.

	Exhib	it P-40, Budget I	tem Justifi	cation Sheet			Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:	-				
Procurement, Mar	ine Corps (1109) / Communication	s and Electronic Equipment (4	4) / 020				INTELLIGENCE BE	ROADCAST RECEIV	/ER (IBR) (A445XX	)	
Program Elements for Code B I	tems:		Code:	Other Related Prog	ram Elements:						
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty				9	26						35
Gross Cost				1.5	3.9						5.4
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				1.5	3.9						5.4
Initial Spares											
Total Proc Cost				1.5	3.9						5.4
Flyaway U/C											
Wpn Sys Proc U/C				.2	.2						.3

The Marine Corps Intelligence Broadcast Receiver (IBR) program consists of two systems: the AN/USC-55, commonly referred to as the Commanders' Tactical Terminal Three-Channel (CTT3) and the Joint Tactical Terminal. These IBR systems receive, decrypt and process near-real time intelligence data simultaneously from the multiple sources of: Tactical Intelligence Broadcast Service, Tactical Data Dissemination System, Tactical Data Information Exchange System B and the Tactical Reconnaissance Information Exchange System supporting the Army Guardrail Common Sensor program. The Marine Corps IBR systems will provide intelligence data to the command, control and intelligence elements of the Marine Air-Ground Task Force. The Marine Corps completed procurement of CTT3 systems during FY97 and is now procuring Joint Tactical Terminals through the U.S. Army, PM JTT as replacements for the lesser capable CTT3 systems.

	Exhibi	t P-40, Budget	Item Justific	cation Sheet	t		Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mai	rine Corps (1109) / Communications	and Electronic Equipment	(4) / 020				TACTICAL RE	EMOTE SENSOR S	YSTEM (TRSS)		
Program Elements for Code B	tems:		Code:	Other Related Prog	gram Elements:						
			А								
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				6.0							6.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				6.0							6.0
Initial Spares	2.8		0.1	0.7	0.5	1.0	0.3		0.8		6.2
Total Proc Cost			0.1	6.7	0.5	1.0	0.3		0.8		13.7
Flyaway U/C											
Wpn Sys Proc U/C											

Tactical Remote Sensor Systems (TRSS) will provide all weather direction, location determination, targeting, and tactical indications and warning of enemy activity in the Marine Commander's Area of Interest. Sensors are implanted by tactical aircraft, ground reconnaissance forces, and other ground forces as tasked. Sensors are monitored by real-time by the Sensor Mobile Monitoring system (SMMS; a component of TRSS). Monitoring range can be extended by ground and airborne relay sets. The relay storage capability allows sensor data to be time-tagged and stored for up to 30 days when continuous monitoring is not desirable. Relays can be controlled or interrogated over RF links to change modes (i.e. relay, store, frequency selection, power conservation modes). Sensor information is provided to the Intelligence Analysis System (IAS) over in integrated comms suite in the SMMS and then processed into the overall intelligence picture.

\*\*\*Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). The following amounts are for this project:

Workstations FY00

QTY 50

\$ 0.300

Exhibit P-5, Weapon		Appropriation/ Bu	dget Activity/	Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Гуре:	Date:	
WPN SYST Cost Analysis		Procuremen		rps (1109) / Comn		TACTI	CAL REMOTE SE	ENSOR SYSTEM (	TRSS)			Febr	uary 2000
Weapon System	ID		FY 98	equipment (4) / 02	0	FY 99		<u> </u>	FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ir Delivered Sensors (ADS)								3056	332	9205			
DS Batteries								498	1155	432			
inhanced Battery Box								700	518	1351			
est Sets								825	11	75000			
MF Basic Buyout								183					
rogram Support								290					
ntegrated Logistics Support								468					
OTAL CTIVE IESERVE								6020 6020 0					

Exhi	bit P-5a, Budget Procurement	History a	nd Planning						February 2	2000
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Communications and Electr Equipment (4) / 020	ronic					TACTICAL I	REMOTE SENSOR	SYSTEM	(TRSS)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
Air Delivered Sensors (ADS)										
FY 00	Northrup Grumman Meadowlake, IL	SS	Crane, IN	Mar-00	Jul-00	332	9205	Yes	N/A	N/A
ADS Batteries										
FY 00	Unknown	C/FFP	MARCORSYSCOM	Mar-00	Apr-00	1155	432	Yes	N/A	N/A
Enhanced Battery Box		0/555				540	1051			N1/
FY 00	Unknown	C/FFP	MARCORSYSCOM	Mar-00	Jun-00	518	1351	Yes	N/A	N/A
Test Sets FY 00	Raytheon Indianapolis, IN	FFP	NAVAIR	Mar-00	Sep-00	11	75000	Yes	N/A	N//
F 1 00	Raytheon indianapolis, in	FFF	NAVAIR	Mai-00	Sep-00	11	75000	res	IN/A	IN//
										<u> </u>
REMARKS:										

	Exhibi	t P-40, Budget I	tem Justifi	cation Sheet			Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	rine Corps (1109) / Communications	and Electronic Equipment (	4) / 020			JO	INT SERVICE IMAG	ERY PROCESSING	SYSTEM (JSIPS)	TEG	
Program Elements for Code B I	Items:		Code:	Other Related Prog	ram Elements:						
			Α								
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				1.0	1.0	2.9	2.9	2.9			10.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				1.0	1.0	2.9	2.9	2.9			10.7
Initial Spares											
Total Proc Cost				1.0	1.0	2.9	2.9	2.9			10.7
Flyaway U/C											
Wpn Sys Proc U/C											

The TEG is a highly mobile imagery ground station designed to process tactical imagery in support of the MAGTF commander. The system is an integral component of the Joint Service Imagery Processing System (JSIPS), complementing the capabilities of the JSIPS National Input Segment (NIS) located at Camp Pendleton. Initially, the system will provide the capability to receive, process, store, exploit, and disseminate Advanced Tactical Air Reconnaissance System (ATARS) electro-optical, infrared, and synthetic aperture radar imagery from the F/A-18D (RC) and receive national secondary imagery from the NIS. Upgrades will make the system capable of processing ASARS-2, UAV, and U-2 EO imagery, as well as other sensor systems. Imagery can be received and processed in near real time via the Tactical Interoperable Ground Data Link (TIGDL) Common Data Link (CDL) or from tape recorded aboard the collection platform. The TEG is packaged in three high mobility multi-purpose wheeled vehicles (HMMWV) and will support each MEF's tactical imagery support needs. The TEG maximizes the use of existing DoD systems and interfaces and supports the directive from OSD and the Defense Airborne Reconnaissance Office (DARO) for migration to the Common Imagery Ground/Surface System (CIGSS) standards.

	Exhibit P-	40, Budget I	tem Justific	cation Sheet	t		Date:		February 2000		
Appropriation / Budget Activity/S					P-1 Item Nomencla	ture:			,		
Procurement, Mar	rine Corps (1109) / Communications and E	Electronic Equipment (4	1) / 021				MODIFIC	ATION KITS (INTEL	) (P44823)		
Program Elements for Code B I	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years										
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	15.1		5.2	18.4	5.0	5.8	2.3	7.5	3.5	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	15.1		5.2	18.4	5.0	5.8	2.3	7.5	3.5	Cont	Cont
Initial Spares	0.9		1.3	3.4	2.0	1.9	1.5	1.4	0.9	Cont	Cont
Total Proc Cost	16.0		6.5	21.8	7.0	7.7	3.8	8.9	4.4	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Modifications under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded, or to increase operational capabilities of end items previously fielded. The funding profile supports modifications to the following intelligence systems. All items are Code A.

Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES), AN/TSQ-90

Intelligence Analysis System Mod (IAS MOD)

Team Port Comm Sys (TPCS- Upgrade)

Joint Surveillance Target Attack Radar System (JSTARS)

Technical Control & Analysis Center PIP (TCAC-PIP)

Tactical Remote Sensor System (TRSS)

MOD	INSTALLING AGENT		INSTA	LLATION	
TERPES	NAWC WPNS PT MUGU, CA	BEGIN:	JAN 98	END:	MAR 03
IAS MOD MEMORY DATA STORAGE	NSWC, CRANE IN	BEGIN:	OCT 96	END:	DEC 03
TPCS (UPGRADE) PHASE II	NATIONAL SECURITY AGENCY, FT MEADE, MD	BEGIN:	NOV 00	END:	MAR 02
JSTARS	MOTOROLA, SCOTTSDALE, AZ	BEGIN:	DEC 00	END:	DEC 00
TCAC	NAWC WPN, PT MUGU, CA	BEGIN:	JAN 97	END:	DEC 03
TRSS	L3 COMM	BEGIN:	MAR 99	END:	SEP 99

Exhibit P-40, Budget Item Justification Sheet		Date: February 2000
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 021		MODIFICATION KITS (INTEL) (P44823)

\*\*\*Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). The following amounts are for this project:

## CCR, BLI 463000 FUNDING FOR TERPES

QTY/FY00 QTY/FY02 QTY/FY04 Workstations 3/.050 3/.050 3/.050 Servers 1/.056 1/.056

## CCR, BLI 463000 FUNDING FOR TPCS UPGRADE

QTY/FY00 QTY/FY01 Workstations 120/.818 100/.682

CCR funding BLI 463000 for TCAC

QTY/FY00 QTY/FY01 QTY/FY02 QTY/FY03 Workstations 7/.048 7/.048 5/.034

		Fyh	nibit P-40a	Rudget	Item .lus	tification	for Aggr	enated It		Date:		February 2000		
Appropriation / Budget Activity		LAI	IIDIL 1 -40a	, buuget	item Jus	tincation	ioi Aggi	P-1 Item Nome				February 2000	)	
-	ent, Marine Corps / Co	mmunicatio	ons and Electronic	c Equipment				r-i item Nome	riciature.	MODIFICAT	ION KITS (INTE	EL) (P44823)		
Procurement Items			Prior Years			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
TERPES	0000	D	4.2			0.0	3.7	0.0	2.7	0.0	2.7	0.0	To complete	13.4
		Q												
IAS MOD		D	1.4			1.7	1.4	1.4	1.4	1.4	1.4	1.4		11.5
		Q												
TPCS		D	0.0			0.0	11.3	2.8	0.0	0.0	2.5	2.1		18.7
		Q												
TCAC PIP		D	0.0			0.0	1.0	0.8	0.8	1.0	0.0	0.0		3.6
		Q												
JSTARS		D	0.0			0.9	1.0	0.0	1.0	0.0	1.0	0.0		3.8
		Q												
TRSS (IREMBASS)		D	0.0			2.6	0.0	0.0	0.0	0.0	0.0	0.0		2.6
		Q												
														<del> </del>
														<u> </u>

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co	/Serial No: irps (1109) / Comr Equipment (4) / 02			m Nomenclature: ODIFICATION KIT	TS (INTEL) (P4482	3)	Weapon System	Гуре:	Date: Febi	uary 2000
Weapon System	ID		Electronic	Equipment (4) / Uz	:1	FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Cost Elements	OD	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TERPES: AN/TSQ-90		7		Ť	¥333		7	3669	5	733800	,		
Subtotal								3669					
IAS MOD					1655			1397			1430		
Subtotal					1655			1397			1430		
TPCS: TOPMAKER Direction Finding Unit Upgrade TPCS: TOPMAKER Phase II Upgrade Subsystem TPCS: Special Training Devices TPCS: Integrated Logistics Support TPCS: Factory Training TPCS: TAD					24			7970 2844 126 197 116 25	49 6 6	474000	2387 105 150 166 25	5 5	477400 21000
Subtotal					24			11278			2833		
JSTARS Pre Planned Product Improvements JSTARS CFE Hardware JSTARS GFE Hardware JSTARS TAD					383 480 20			975	2	487500			
Subtotal					883			975					
TCAC PIP TCAC Contractor Support								790 242	7	112857	778	7	11114
Subtotal								1032			778		
TRSS					2600								
Subtotal					2600								
TOTAL Active Reserve					5162 4860 302			18351 18090 261			5041 4774 267		

Exhibi	t P-5a, Budget Procurement	History	and Planning					Date:	ebruary 2	2000
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 021		Weapon Sys			P-1 Line Item		: :ATION KITS (IN	ΓEL) (P44	823)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First		Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
TERPES: AN/TSQ-90										
FY 00	NAWC WPNS PT MUGU CA	FFP	NAWCWPNS PT MUGU CA	Mar-00	Sep-00	5	733800	YES	NO	N/A
TPCS: TOPMAKER Direction Finding Unit Upgrade										
FY 00	Boeing-Sunnyvale,Sunnyvale CA	FFP	NSA	Feb-00	Nov-00	49	162653	Yes	N/A	N/A
TPCS: TOPMAKER Phase II Upgrade Subsystem										
FY 00	Watkins-Johnson Gaitherburg MD		NSA	Feb-00	Nov-00	6	474000	Yes	N/A	N/A
FY 01	Watkins-Johnson Gaitherburg MD	FFP	NSA	Nov-00	Dec-00	5	477400	Yes	N/A	N/A
TPCS: Special Training Devices										
FY 00	Watkins-Johnson Gaitherburg MD	FFP	NSA		Nov-00	6	21000	Yes	N/A	N/A
FY 01	Watkins-Johnson Gaitherburg MD	FFP	NSA	Nov-00	Dec-00	5	21000	Yes	N/A	N/A
JSTARS Pre Planned Product Improvements										
FY 00	Motorola, Scottsdale, AZ	FFP	PM JSTARS, Ft Monmouth, NJ	Mar-00	Dec-00	2	487500	YES	NO	N/A
TCAC PIP										
FY 00	NAWC, WPNS, Pt. Mugu, CA	C/FP	ESC HANSCOM AFB, MA	Mar-00	Jul-00	7	112857	YES	NO	N/A
FY 01	NAWC, WPNS, Pt. Mugu, CA	FFP	ESC HANSCOM AFB, MA	Feb-01	Aug-01	7	111143	YES	NO	N/A
DEMANYO.										

REMARKS:

						INDI	IVIDUAI	L MODII	FICATI	ION							Date		Februar	ry 2000	
MODIFICATION TIT	LE: TPC	CS 3																			
MODELS OF SYSTI	EMS AFFE	CTED																			
			TEAM	PORT	ABLE (	COMMU	JNICAT	IONS IN	NTELLI	IGENCE	SYSTE	Л									
DESCRIPTION / JU	STIFICATI	ON:																			
TPCS is a sem direction finding primarily compound advanced com automation and Installation cos	g, collect rised of c munication d conforn	ion ma comme ons su n to the	inagem ercial-o ch as d e JMC	nent, a iff-the cellula IS/GC	analys -shelf ar forn CCS c	sis and f (COT mats ar commo	repor S) and nd low n oper	ting to d non-o proba rating o	the N develo ability	Marine of inter	Air Gro al item cept (L	und T s (ND .P) siç	ask Fo	orce (I e Upg	MAGT rade v	F) Co will ena	mman able TF	der. PCS	TPCS to explo	is oit	
* Two Contracts ** Special Train	PMAKER s ing Devic	devel	opmen				_	97; MS	III (P	hase II	) - 4 Q <sup>-</sup>	ΓY 99									
installation ochedule	Pr Yr		FY 19	99			FY 20	000			FY 20	01			FY 20	102			FY 2	003	
	Totals	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	
Inputs		·							-		61			10	_						
Outputs														15	16	14	13	13			
		EV 00	10.4	1		EV 0	005			EV 0	200			F\/ 00	0.7	1		<b>-</b>			
	1	FY 20	3	4	4	FY 20	3	4	4	FY 20	3	4	1	FY 20	3	4	Com	To plete	l	ı	otals
Inputs	1	- 2	3	4	- 1	2	3	12	- 1	2	3	10	- 1	2	3	4	Com	ibiete			9:
Outputs										12				10							9:
METHOD OF IMPLE	MENTATI	ON:	-			ADMINI	ISTRAT	IVE LE	ADTIM	E:	4 M	onths	Р	RODU	CTION	LEADT	IME:	9	Months		
Contract Dates:		F	Y 1999				ļ	FY 2000	)	FEB 00°	ŧ		F	Y 2001	N	10v 00	**				

Nov 00

FY 2001

Dec 00

FY 2000

Delivery Date:

FY 1999

					IN	DIVIDUA	L MOD	IFICATIO	N							Date			Feb-00	
MODIFICATION TITLE (Cont):		TF	PCS																	
FINANCIAL PLAN: (\$ in Millions)			т																	
		1998 I Prior	FV	1999	FV.	2000	FV '	2001	FV ·	2002	FV	2003	FV	2004	FV	2005	-	С	TO	ΓΔΙ
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT	,	·	Í		,	•	,	•	,	<u> </u>	j			<u> </u>	j		Ź			<u> </u>
Kit Quantity					49	7.970													49	07.970
Inst Kits, Nonrecurring					12	2.970	10	2.492					12	2.467	10	2.075			32 12	10.004
Equipment, Nonrecurring																				
ECO																				
Other						0.338		0.341												0.679
Installation of Hardware FY 1998 & Prior Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt 55 Kits FY 2001 Eqpt 10 Kits FY 2002 Eqpt Kits FY 2003 Eqpt Kits FY 2004 Eqpt 12 Kits FY 2005 Eqpt 10 Kits (FY(TC) Eqpt (xx kits)							61		10						12		10		61 10 12 10	
Installment Cost																			93	
Total Procurement Cost						11.278		2.833						2.467		2.075				18.653

	Exhibit P-4	0, Budget Item J	ustification	Sheet		Date:		February 2000		
Appropriation / Budget Activity/Se	erial No:			P-1 Item Nomencla	ture:					
Procurement, Marine Corp	os (1109) / Communications and	Electronic Equipment (4)				ITEMS	UNDER \$5 MILLION	INTELL		
Program Elements for Code B Ite	ems:	Code:	Other Related Prog	gram Elements:						
	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty										
Gross Cost			2.1	0.4	0.0	0.0	2.2	0.0		4.7
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)			2.1	0.4	0.0	0.0	2.2	0.0		4.7
Initial Spares		0.4		0.4						8.0
Total Proc Cost		0.4	2.1	0.8	0.0	0.0	2.2	0.0		5.5
Flyaway U/C										
Wpn Sys Proc U/C										

This is a roll-up line which contains equipment for which the annual procurement is less than \$5 Million each. The funds included in this budget line allow procurement of the following item. FY 1998 funding is under Items Less Than \$2 Million (475100).

Technical Surveillance Countermeasures (TSCM) Program- A performance-level suite of equipment which provides CI/HUMINT Companies with an enhanced capability to detect, locate, identify and neutralize/exploit clandestine audio, radio frequency, laser, infrared, optical and telephonic surveillance threats in and around areas where classified information is viewed and/or discussed. Funds are used to procure TSCM items from an approved item list provided by the national TSCM subcommittee.

Meteorogical Measuring System - (MMS) The Met Sensor Package (MSP) upgrade for the MMS replaces three separate pieces of manually operated equipment used to gather ground (surface) weather data with a single automated electronic data sensor/collector. The upgrade also includes a SW upgrade that will correct a Y2K deficiency in the current system SW program.

	Exhibit P-4	0, Budget Ite	em Justific	cation Sheet			Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, N	Marine Corps (1109) / Communications and	Electronic Equipment (	4)				GENERAL PUR	POSE MECHANICAL	TMDE (P44094)		
Program Elements for Code B I	Items:	C	Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	26.5		4.5	4.7	4.7	2.9	4.6	5.2	6.0	Cont.	Cont.
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	26.5		4.5	4.7	4.7	2.9	4.6	5.2	6.0	Cont.	Cont.
Initial Spares											
Total Proc Cost	26.5		4.5	4.7	4.7	2.9	4.6	5.2	6.0	Cont.	Cont.
Flyaway U/C											
Wpn Sys Proc U/C											

This is a composite line which consists of several general purpose mechanical test equipment items.

Funds are used to buy mechanical test equipment to support the following principal end items:

Motor Transport: Trucks, High Mobility, Multipurpose Wheeled Vehicle (HMMWV's), Wreckers, Buses, Trailers etc.

Combat Engineers: Bulldozers, Motor Graders, Compactors, Generator Sets, Rock Crushers, Assault Craft, etc.

Ordnance: Tanks, Light Armored Vehicles (LAV's), Assault Amphibious Vehicles (AAV's), Self Propelled Howitzers, Rocket launchers etc.

The test equipment is used by mechanics at all levels of maintenance (e.g. from operator to component rebuild) to restore deadlined items to operational condition. Items procured range from individual mechanic's test sets to diesel engine and transmission dynamometers.

Funding sustains modernization and standardization plans, as well as new equipment identified in support of new principal end items.

In some cases, new requirements will supercede planned requirements. The items bought with these funds are non-developmental, commercial-off-the shelf items (consequently extremely low risk). Also, funding is provided for electro-optics testheads which will be integrated with Third Echelons Test Set basic units being purchased in the Automatic Test Equipment budget line.

	Exhibit P-4	40, Budget I	tem Justific	cation Sheet			Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, M	Marine Corps (1109) / Communications and	d Electronic Equipmen	t (4)				NIGHT V	ISION EQUIPMENT	(P44017)		
Program Elements for Code B I	Items:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	83.6		23.6	17.4	14.4	22.6	22.5	25.2	0.0		209.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	83.6		23.6	17.4	14.4	22.6	22.5	25.2	0.0		209.3
Initial Spares	0.9		0.1	0.1	0.4	0.0	0.5	0.5	0.0		2.5
Total Proc Cost	84.5		23.7	17.5	14.8	22.6	23.0	25.7	0.0		211.8
Flyaway U/C											
Wpn Sys Proc U/C											

This is a rollup line for Night Vision Equipment consisting of:

MX 11620 - 25mm Gen III Image Intensification Tube (Gen III Tube) - The Gen III tube is a drop-in retrofit for the Gen II image intensification tubes found in the AN/PVS-4 & AN/TVS-5 individual and crewserved weapons sights. The tube provides a much higher level of reliability when compared with the present Gen II tube, and substantially improves resolution and therefore range performance of the system in which it is installed. This is not an end item.

AN/PAQ-4C - The AN/PAQ-4C is used in conjunction with night vision devices (AN/PVS-7 and AN/PVS-14) to direct weapon fire at night. The AN/PAQ-4C attaches to the M16A2 service rifle and projects a continuous infrared beam along the weapons' line of fire designating the point of impact on the target, thereby providing a reference point for target engagement visible only to night vision devices.

MEDIUM POWER LASER ILLUMINATOR (MPLI--formerly know as the INFRARED LASER POINTER). The MPLI is a hand-held infrared laser pointer used in conjunction with image intensified night vision devices, such as the AN/PVS-7B and the AN/AVS-6 Night Vision Goggles, to mark ground targets for night vision capable aricraft crew.

BORELIGHT - The laser Borelight is a rugged projector of visible laser light. The Laser Borelight is used to boresight (align) the Thermal Weapon Sight (TWS) AN/PAS-13, the IRLP, AN/PAQ-4 and other Night Vision devices to the various weapon systems they may attach to. The Laser Borelight enables the boresighting of weapons during daylight, low light and darkness without discharge of the weapon.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 2000
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)		NIGHT VISION EQUIPMENT (P44017)

THERMAL WEAPON SIGHT - The Thermal Weapon Sight (TWS) is a light weight, low power, high performance forward looking infrared (FLIR) device. TWS will augment existing crew-served night vision sights. TWS operates by discerning the temperature variation between targets and their background. The TWS is completely passive and although designed for target detection and engagement with Marine Corps crew served weapons, can be used for all weather surveillance. Program begins in FY01.

MOUNTING BRACKET - The mounting bracket allows the AN/PAQ-4C Infrared Aiming Light to be mounted on the M16A2 when the M203 grenade launcher is installed on the M16A2 rifle.

IMPROVED NIGHT / DAY OBSERVATION AND CONTROL DEVICE (INOD--formerly known as SCOUT/SNIPER NIGHT ENHANCEMENT DEVICE). The INOD is a telescopic aiming device that permits precise and accurate delivery of 7.62mm and .50 caliber rifle fire on selected targets during both daylight and total darkness. It will also be capable of distinguishing selected targets at the effective range of the 7.62mm and .50 caliber weapons systems during daylight and total darkness.

LASER AIMING MODULE (LAM) - The LAM is used with and without night vision devices (AN/PVS-7 and AN/PVS-14) to direct weapon fire at night. The LAM attaches to the M1911A1 Marine Expeditionary Unit (Special Operations Capable) pistol and the M9 pistol. The LAM projects either a flashlight / visible laser / infrared laser or infrared laser / illuminator along the weapons line of fire designating the target or point of impact on the target, thereby providing a reference point for target engagement in the visible or infrared mode during times of limited visibility.

AN/PVS-14 MONOCULAR NIGHT VISION DEVICE (MNVD)- The AN/PVS-14 is a lightweight, monocular night vision device which uses third generation image intensification (I2) technology. The AN/PVS-14 can be carried in the pocket of the utility uniform, mounted on the helmet or head mount, or mounted on a weapon. The AN/PVS-14 will be used by select Marines in leadership roles within the Ground Combat Element (GCE) during night operations. The AN/PVS-14 gives these Marines a lighter, more compact night vision capability than the AN/PVS-7, Night Vision Goggle.

AN/PEQ-2A- is a lightweight, self-contained battery powered infrared (IR) aiming light/illuminator that attaches to the upper receiver of a M16A2 service rifle. When zeroed to the weapon and activated, the AN/PEQ-2A projects an IR dot which illuminates the target making it visible to image intensifying night vision devices. The AN/PEQ-2A is a military exempt Class 3B laser.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procuremen	t, Marine Co				EQUIPMENT (P44017)		Weapon System Type:		Date: Feb	ruary 2000	
Weapon System	ID	<b>-</b>	0:		T . 10 .			<b>-</b> . 10 .	FY 00	11.10	· · · ·	FY 01	
Cost Elements	CD	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$	TotalCost \$000	Qty Each	UnitCost \$
MX 11620 (Gen III Tube) Production & Engineering Spt Fee (P&E)	Α	<b>\$</b> 000	Lacii	Ψ	17334 95	5547	3125	6747 29	2114	3192	<b>\$000</b>	Lacii	Ψ
Borelight Medium Power Laser Illuminator Production & Engineering Spt Fee (P&E)	A A				1000 1282 250	3717 315	269 4070						
Eng & Prgm Support/Logistics					625								
INOD Eng & Prgm Support/Logistics								5309 323	529	10036			
AN/PAS-13 Thermal Weapon Sight Production and Engineering Fee Eng & Prgm Support/Logistics	Α										13337 250 764		17950
Laser Aiming Module (LAM) Eng & Prgm Support/Logistics	Α				2700 300	1800	1500						
AN/PEQ-2A	Α							5000	3330	1500			
TOTAL Active Reserve					23586 23586			17408 17408			14351 14351		

Exhibit	P-5a, Budget Procurement I	History a	nd Planning			Continue   Continue	Date:	February 2	2000	
Appropriation / Budget Activity/Serial No:		Weapon Syste	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4)						NIGHT	VISION EQUIPMEN	NT (P4401	17)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
MX 11620 (Gen III Tube)										
FY 99	ITT/Roanoke,VA, Litton/Dallas,TX	C/FFPO	USA CECOM	Apr-99	Jul-00	5547	3125	Yes	N/A	Jul-98
FY 00	ITT/Roanoke,VA, Litton/Dallas,TX		USA CECOM	Apr-00				Yes	N/A	Jul-98
	in the another than a successful and a s	0,		7 101 00	oun on		0.02		,, .	00.00
AN/PAQ-4C IR Aim Light										
FY 98	INSIGHT/ Londonderry, NH	S/FFPO	NSWC CRANE	May-98	Mar-99	VAR	VAR	Yes	N/A	Apr-98
	,,,			linay oo					,	, .p. 00
Mounting Brackets										
FY 98	INSIGHT/ Londonderry, NH	S/FFPO	NSWC CRANE	May-98	Mar-99	VAR	VAR	Yes	N/A	Apr-98
	,									. 4
Borelight										
FY 98	INSIGHT/ Londonderry, NH	C/FFP	NSWC CRANE	Apr-99	Oct-99	VAR	VAR	Yes	N/A	Jun-98
FY 99	INSIGHT/ Londonderry, NH	C/FFPO	NSWC CRANE	Feb-00	Jul-00	3717	269	Yes	N/A	Sep-99
	,									
Medium Power Laser Illuminator (MPLI)										
FY 98	INSIGHT/Londonderry, NH	C/FFPO	NSWC CRANE	Oct-98	Mar-99	VAR	VAR	Yes	N/A	Apr-98
FY 99 *Note 1	INSIGHT/Londonderry, NH	C/FFPO	NSWC CRANE	Jan-00	Jun-00	315	4070	Yes	N/A	Apr-98
	·									·
Improved Night/Day Observation & Control Device	ITT, Roanoke, VA	C/FFPO	PM NV/RSTA, Ft Belvoir	Jul-00	Dec-00	529	10036	NO	N/A	N/A
FY00 (INOD)										
AN/PAS-13 Thermal Weapon Sight (TWS)	Raytheon, Dallas, Tx	C/FFPO	PM NV/RSTA, Ft Belvoir	Oct-00	Aug-01	743	17950	Yes	N/A	Sep-97
FY 01										
Laser Aiming Module (LAM)	Unknown	C/FFP	MCSC, Quantico, VA.	Sep-00	Feb-01	1800	1500	Yes	N/A	Nov-99
FY 99 *Note 2										
AN/PEQ-2A										
FY 00	Unknown	C/FFP	MCSC, Qantico, VA	Sep-00	Feb-01	3330	1500	Yes	N/A	Jun-00

REMARKS: Note 1. Medium Power Laser Illuminator Acquisition Objective is pending. Note 2. Laser Aiming Module Acquisition Objective To Be Determined.

Exhibit P-20	Peguiro	monte St	udv	Approriation/Budget /	Activity/Serial No:			•	Date:		
EXHIBIT F-20	, Kequire	illellis St	uuy	Procur	ement, Marine Corps (1	109) / Communication:	s and Electronic Equip	ment (4)		February 20	00
P-1 Line Item Nomencla	ture (Include DC	DIC for Ammunit	ion Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
	NIGHT VISION	EQUIPMENT (P	44017) GEN III Tubes			18	Months			15	Months
Line Descriptions					FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary					5547	2114					
Unit Cost					3.1	3.2					
Total Cost					17334.0	6747.0					
Asset Dynamics											
Beginning Ass	et Position				1969	1969	3289	9100	9630	9630	963
Deliveries from	n:	FY 1999	Funding			1320	4227				
Deliveries from	n:	FY 2000	Funding				1584	530			
Deliveries from	n:	FY 2001	Funding								
Deliveries fron	n Subsequer	nt Years Fund	ds								
Other Gains											
Combat Losse	S										
Training Losse	es										
Test Losses											
Other Losses											
Disposals/Reti	irements/Attı	ritions									
End of Year As	sset Positior	า			1969	3289	9100	9630	9630	9630	963
Inventory Objectiv	e or Curren	t Authorized	Allowance		9789	9789	9789	9789	9789	9789	978
Inventory Ob	ojective	Actu	ıal Training	Other tha	n Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
9789		Exp	penditures	Us	age	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for		thru		thru		thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX	·		·	Inactive Inv	·
Total:							·			Storage	

Remarks	•
iveillai və	•

Exhibit P-20, F	Poguiro	monte St	udv	Approriation/Budget A	Activity/Serial No:				Date:		
EXHIBIT F-20, F	require	illellis St	uuy	Procure	ement, Marine Corps (1	1109) / Communication	s and Electronic Equip	ment (4)		February 200	00
P-1 Line Item Nomenclature	e (Include DO	DIC for Ammunit	tion Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:	-	
N	IIGHT VISION	I EQUIPMENT (	P44017) AN/PAQ-4C			7	Months			10	Months
Line Descriptions					FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary											
Unit Cost											
Total Cost											
Asset Dynamics											
Beginning Asset	Position				18700	19582	20207	20207	20207	20207	2020
Deliveries from:		FY 1999	Funding								
Deliveries from:		FY 2000	Funding								
Deliveries from:		FY 2001	Funding								
Deliveries from S	Subsequen	t Years Fun	ds								
Other Gains fro	om FY98 f	unding			882	625					
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retire	ments/Attr	itions									
End of Year Asse	et Position				19582	20207	20207	20207	20207	20207	2020
Inventory Objective	or Current	Authorized	Allowance		20207	20207	20207	20207	20207	20207	2020
Inventory Object	ctive	Actu	ual Training	Other tha	n Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
	20207	Ex	penditures	Us	age	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for		thru		thru		thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

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Remarks:	
neiliains.	

Exhibit P-20, Red	Approriation/Budget	Activity/Serial No:	Date:						
EXHIBIT F-20, Net	direments Study	Procu	rement, Marine Corps (1	February 2000					
P-1 Line Item Nomenclature (Inc	lude DODIC for Ammunition Items):	<u> </u>	Admin Leadtime (afte	Prod Leadtime:	-				
NIGHT VI	SION EQUIPMENT (P44017) Mour	nting Brackets		7	Months		10	Months	
Line Descriptions			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary									
Unit Cost									
Total Cost									
Asset Dynamics									
Beginning Asset Pos	ition			8169	14000	14000	14000	14000	14000
Deliveries from:	FY 1999 Fundin	g							
Deliveries from:	FY 2000 Fundin	g							
Deliveries from:	FY 2001 Fundin	g							
Deliveries from Subs	equent Years Funds								
Other Gains from FY 98 buy			8169	5831					
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retiremen	ts/Attritions								
End of Year Asset Po	osition		8169	14000	14000	14000	14000	14000	14000
Inventory Objective or C	Surrent Authorized Allowand	ce	14000	14000	14000	14000	14000	14000	14000
Inventory Objective	e Actual Train	ing Other th	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
14000	Expenditure	es U	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for	thru	thru		thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	·
Other:	FY XXXX	FY XXXX		FY XXXX		]		Inactive Inv	
Total:								Storage	

Re	m	aı	rk	s	:
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Exhibit P-20, Requirements Study			Approriation/Budget /	Date:										
EXHIBIT F-20	, Require	illellis Sit	iuy	Procur	ement, Marine Corps (1	February 2000								
-1 Line Item Nomenclature (Include DODIC for Ammunition Items):					Admin Leadtime (afte	r Oct 1):	Prod Leadtime:							
	NIGHT VISIO	N EQUIPMENT (	P44017) Borelights		16 Months					5 Months				
Line Descriptions					FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005			
Buy Summary					3717									
Unit Cost					0.3									
Total Cost					1000.0									
Asset Dynamics														
Beginning Ass	et Position						8250	9967	9967	9967	996			
Deliveries fron	n:	FY 1999	Funding			2000	1717							
Deliveries fron	n:	FY 2000	Funding											
Deliveries fron	n:	FY 2001	Funding											
Deliveries from	n Subsequer	nt Years Fund	ls											
Other Gains from FY98 funding				6250										
Combat Losse	S													
Training Losse	es													
Test Losses														
Other Losses														
Disposals/Reti	irements/Attı	ritions												
End of Year As	sset Positior	1				8250	9967	9967	9967	9967	996			
Inventory Objectiv	e or Curren	t Authorized A	Allowance		18700	18700	18700	18700	18700	18700	1870			
Inventory Ob	ojective	Actu	al Training	Other tha	n Training	Disposals Ve		Vehicles Eligible		Aircraft:				
18700		Exp	enditures	Usage				for Replacement		TOAI				
Assets Rqd for		thru		thru		thru				PAA:				
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI				
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res				
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	·			
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv				
Total:										Storage				

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Pam	arks:
1/6111	ai no.

Exhibit P-20, Requirements Study			Approriation/Budget Activity/Serial No:						Date:		
	Р					109) / Communications	February 2000				
P-1 Line Item Nomenclature (Include DODIC for Ammunition Items):					Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
NIGHT VISION EQUIPMENT Medium Power Laser Illuminator						15	Months			5	Months
Line Descriptions					FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary					315						
Unit Cost					4.1						
Total Cost					1282.0						
Asset Dynamics											
Beginning Ass	et Position					260	470	630	630	630	63
Deliveries from	n:	FY 1999	Funding			155	160				
Deliveries from	n:	FY 2000	Funding								
Deliveries from	n:	FY 2001	Funding								
Deliveries fron	n Subsequer	nt Years Fun	ids								
Other Gains from FY98 funding			260	55							
Combat Losses											
Training Losse	es										
Test Losses											
Other Losses											
Disposals/Reti	irements/Atti	ritions									
End of Year As	sset Positior	า			260	470	630	630	630	630	63
Inventory Objectiv	e or Curren	t Authorized	Allowance								
Inventory Ob	ojective	Act	ual Training	Other than Training		Disposals Vehic		Vehicles Eligible		Aircraft:	
315		Ex	penditures	Usage		(Vehicles/Other)		for Replacement		TOAI	
Assets Rqd for		thru		thru		thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX	·	FY 2001		Attrition Res	·
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

**Remarks:** (MPLI Inventory Objective is in process of being increased.)

Exhibit P-20, Req	uirom	ante St	udv	Approriation/Budget	Activity/Serial No:			•	Date:		
Exilibit F-20, Neq	unem	ents St	uuy	Procur	ement, Marine Corps (1	1109) / Communications	s and Electronic Equip	ment (4)		February 200	00
P-1 Line Item Nomenclature (Inclu	ide DODIC	C for Ammuni	tion Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:	-	
NIGHT VISION EQUI	PMENT In	nproved Nigh	t/Day Observation & C	ontrol Device		9	Months			5	Months
Line Descriptions					FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary						529					
Unit Cost						10.0					
Total Cost						5309					
Asset Dynamics											
Beginning Asset Posi	tion							440	529	529	52
Deliveries from:	F	Y 1999	Funding								
Deliveries from:	F	Y 2000	Funding				440	89			
Deliveries from:	F	Y 2001	Funding								
Deliveries from Subse	equent \	∕ears Fun	ds								
Other Gains from F	Y98 fur	nding									
Combat Losses											
Training Losses											
Test Losses											
Other Losses											
Disposals/Retirement	s/Attritic	ons									
End of Year Asset Po	sition						440	529	529	529	52
Inventory Objective or Cu	ırrent A	uthorized	Allowance		529	529	529	529	529	529	52
Inventory Objective		Acti	ual Training	Other that	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
	529	Ex	penditures	Us	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	tl	hru		thru		thru				PAA:	
Combat Loads:	F	Y XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	F	Y XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	F	Y XXXX		FY XXXX		FY XXXX		Augment		BAI	<u> </u>
Other:	F	Y XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

Remarks:

Exhibit P-20	Poquiro	monte St	udv	Approriation/Budget	Activity/Serial No:				Date:		
EXHIBIT F-20	, Require	ments st	uuy	Procui	rement, Marine Corps	(1109) / Communication	ns and Electronic Equip	ment (4)	February 20	000	
P-1 Line Item Nomencla	ture (Include DO	DIC for Ammuni	ion Items):	•	Admin Leadtime (af	ter Oct 1):			Prod Leadtime:		
NIGHT VI	SION EQUIPME	NT	(P44017 AN/F	PAS-13 TWS)		0	Months			10	Months
Line Descriptions					FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary							743	1211	1209	1352	
Unit Cost							18.0	18.0	18.0	18.0	
Total Cost							13337.0	21737.0	21702.0	24268.0	
Asset Dynamics											
Beginning Ass	et Position							123	945	2156	338
Deliveries fron	n:	FY 1999	Funding								
Deliveries fron	n:	FY 2000	Funding								
Deliveries fron	n:	FY 2001	Funding				123	620			
Deliveries from	n Subsequer	nt Years Fun	ds					202	1211	1233	1120
Other Gains	from FY98	funding									
Combat Losse	S										
Training Losse	es										
Test Losses											
Other Losses											
Disposals/Reti	irements/Attr	ritions									
End of Year As	sset Position						123	945	2156	3389	451
Inventory Objectiv	e or Current	t Authorized	Allowance								
Inventory Ob	ojective	Actu	ıal Training	Other the	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
,	4515	Ex	penditures	U:	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for		thru		thru		thru				PAA:	
Combat Loads:		FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:		FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:		FY XXXX		FY XXXX		FY XXXX		Augment		BAI	
Other:		FY XXXX		FY XXXX		FY XXXX				Inactive Inv	•
Total:				•	•			-		Storage	

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Exhibit P-20,	Poquiron	nante St	udv	Approriation/Budget	Activity/Serial No:				Date:		
	•			Procur	ement, Marine Corps (	1109) / Communication	ns and Electronic Equip		February 20	000	
P-1 Line Item Nomenclatu	ure (Include DODI	IC for Ammuni	tion Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
NIGHT VIS	ION EQUIPMENT	Т	Laser Aim	ing Module		23	Months			4	Months
Line Descriptions					FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary					1800						
Unit Cost					1.5						
Total Cost					2700.0						
Asset Dynamics											
Beginning Asse	t Position							1200	1800	1800	180
Deliveries from:	: F	FY 1999	Funding				1200	600			
Deliveries from:	: F	FY 2000	Funding								
Deliveries from:	: F	FY 2001	Funding								
Deliveries from	Subsequent	Years Fun	ds								
Other Gains f	from FY98 fu	ınding									
Combat Losses	i										
Training Losses	3										
Test Losses											
Other Losses											
Disposals/Retire	ements/Attriti	ions									
End of Year Ass	set Position						1200	1800	1800	1800	180
Inventory Objective	e or Current A	Authorized	Allowance								
Inventory Obj	ective	Act	ual Training	Other that	an Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
TBD		Ex	penditures	Us	sage	(Vehicle	es/Other)	for Replacemen	t	TOAI	
Assets Rqd for		thru		thru		thru				PAA:	
Combat Loads:	F	FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	F	FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	-
Pipeline:	F	FY XXXX		FY XXXX		FY XXXX		Augment		BAI	<u> </u>
Other:	F	FY XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

**Remarks:** Laser Aiming Module Inventory Objective is in process of being Approved.

Exhibit P-20,	Poquiron	ante St	udv	Approriation/Budget	Activity/Serial No:				Date:		
	•		-	Procur	rement, Marine Corps	(1109) / Communications	and Electronic Equip		February 20	000	
P-1 Line Item Nomenclat	ture (Include DOD	IC for Ammuni	ition Items):		Admin Leadtime (af	ter Oct 1):			Prod Leadtime:		
NIGHT VIS	SION EQUIPMEN	Г	AN/P	EQ-2A		11	Months			5	Months
Line Descriptions					FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary						3330					
Unit Cost						1.5					
Total Cost						5000					
Asset Dynamics											
Beginning Asse	et Position							2216	3330	3330	333
Deliveries from	n: F	FY 1999	Funding								
Deliveries from	n: F	FY 2000	Funding				2216	1114			
Deliveries from	n: F	FY 2001	Funding								
Deliveries from	Subsequent	Years Fun	ids								
Other Gains	from FY98 fu	ınding									
Combat Losses	S										
Training Losses	s										
Test Losses											
Other Losses											
Disposals/Retir	rements/Attriti	ions									
End of Year As	set Position						2216	3330	3330	3330	333
Inventory Objective	e or Current A	Authorized	Allowance								
Inventory Ob	jective	Acti	ual Training	Other that	an Training	Dispo	sals	Vehicles Eligible	)	Aircraft:	
TBD		Ex	penditures	Us	sage	(Vehicles	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for		thru		thru		thru				PAA:	
Combat Loads:	F	YXXXX		FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	F	Y XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	F	Y XXXX		FY XXXX		FY XXXX		Augment		BAI	·
Other:	F	Y XXXX		FY XXXX		FY XXXX				Inactive Inv	
Total:										Storage	

**Remarks:** Laser Aiming Module Inventory Objective is in process of being Approved.

FY 00 / 01 BUDGET PRO	חוור	TION SO	ישבח	11 =			P-1 II	tem Nom	encl	ature:	NII	CUT	VISIO	N EOI	JIPMEI	JT /D/	4017)					Date	:			Eobr	uary 2	2000		
F1 00 / 01 BODGET FRO	T	I ION 30	I	PROC	ACCEP.	BAL					Fisca				JIFIVILI	VI (F4	4017)	I				Fis	scal	Year	99	rebi	uary z	000	$\overline{}$	L
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COST ELEMENTS	R		R		1 OCT	1 OCT	C		E		E A					U	E P	O C T	0	Е	A	E	Α	Р	Α	U	U	U	Е	E
COOT ELEMIENTO	-		V					V	С	N	B R	R F	R Y	' N	l L	G	Р	H	V	С	N	В	R	R	Υ	N	L	G	Р	R
MX 11620 (GEN III TUBES)	+	E\/00	MC	FF 47		FF 47			-		_	+			-			-						_						
	+	FY99		5547	0	5547			_		_	-			-	-		-						Α						5547
MX 11620 (GEN III TUBES)	1	FY 00	MC	2114	0	2114			-		_	-						<u> </u>												2114
	-																												_	
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Borelight	2	FY 99	MC	3717	0	3717																								3717
															1															
Medium Power Laser Illuminator	3	FY99	MC	315	0	315																								315
	1								ı																					
Imprvd Day/Night Obs. & Ctrl Device	4	FY00	МС	529	0	529									1															529
in production and in contract	1	1.00							1			1			1															
AN/PAS-13 Thermal Wpn Sight	5	FY01	МС	743	0	743			1			1			1															1083
7 a qui vite i le i i i e i i i e i i e i i e i e i	Ť	1 101	1110	0	Ť	0			-		-	1	+		1														_	1000
Laser Aiming Module	6	FY99	МС	1800	0	1800						1																$\dashv$	-	1800
Laser Airling Woodie	┰	1 100	IVIO	1000		1000			-			+			+													$\rightarrow$	-	1600
AN/PEQ-2A	7	FY00	MC	3330	0	3330			-	-		+	+	-	+			1												3330
AN/FEQ-2A	+-	1 100	IVIC	3330	-	3330			-		-	+	-		+	+		1										$\rightarrow$	$\dashv$	3330
							_							+		٠.	_	_		_	-	_						_	_	
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M		PI	RODUCT	ON RATES	<u> </u>	REACHED		FR mber				-	A Prior 1		LEAD	TIME After 1	Oot	Λf	MFR ter 1 C			TOTA ter 1 C		RE	MARI	KS				
R NAME / LOCATION		MIN.	1	-8-5	MAX.	D+	_		IITIA	J	1	╅	PHOI	OCt.		18		Al	15	JCI.	Al	33	JCI.							
1 ITT, Roanoke VA/LITTON, TX				*CI						RDER	-	1				6			9			15			R #6	3 ME	:D- л	(Total	- 27)	
									IITIA							16			5			21		MF	R #7					
2 Insight, Londonderry, NH				*CI			_		EOR IITIA	RDER		╀				15		┞—	5			20						Total =		
3 Insight, Londonderry, NH		8		30	120		1			RDER		╂			+	15		1	5			20		-CI	mean	s Con	ımercı	al Item	4	
4 ITT, Roanoke, VA		25		75	150			4 IN	IITIA	L		1			1	9		L	5			14								
5 Raytheon, Dallas, Texas		250		250	500					RDER		1																		
6 TBD 7 TBD				*CI			•		IITIA	L RDER		+				0		├	10			10								
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FY 00 / 01 BUDGET PRO	DUC	CTION SO	HED	ULE			P-11	tem No	omenc	lature:		NIGI	IT VIS	SION	EQUIF	PMEN	T (P44	1017)					Date:				Febru	ary 20	000		
	T		1	PROC	ACCEP.	BAL					Fis	cal `	Year	r <b>00</b>									Fis	cal	Year	01				T	L
	М		s	QTY	PRIOR	DUE								Cale	nda	r Ye	ar 00	)						Ca	alend	lar \	ear (	01			Α
	F	FY	E	Each	TO	AS OF	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	M	Α	М	J	J		S	Т
COST ELEMENTS	R		R V		1 OCT	1 OCT	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L		E P	E R
MX 11620 (GEN III TUBES)	1	FY99	MC	5547	0	5547										380	470	470	470	470	470	470	470	470	470	470	467			4	
	+ +						1									380	470	470	470	470	470			_	_	_					
MX 11620 (GEN III TUBES)	1	FY 00	MC	2114	0	2114							Α									176	176	176	176	176	176	176	176	176	530
Borelight	2	FY 99	MC	3717	0	3717					Α					500	750	750	750	750	217									-	
Medium Power Laser Illuminator	3	FY99	MC	315	0	315				Α					35	40	40	40	40	40	40	40							+	4	
Imprvd Day/Night Obs. & Ctrl Device	4	FY00	MC	529	0	529										А					44	44	44	44	44	44	44	44	44	44	89
AN/PAS-13 Thermal Weapon Sight	5	FY 01	MC	743	0	743													Α										61	62	620
Laser Aiming Module	6	FY 99	MC	1800	0	1800												Α					150	150	150	150	150	150	150	150	600
AN/PEQ-2A	7	FY00	MC	3330	0	3330												Α					277	277	277	277	277	277	277	277	1114
							O C T	< 0 Z	DEC	J A Z	FВ	M A R	A P R	M A Y	JUN	JUL	A U G	S E P	O C T	N O V	ОпО	J A N	F E B	M A R	A P R	M A Y	ZCL	n n	U	S E P	
M		PI	RODUCT	ION RATES		REACHED		FR					1		MIN L				۸.64	MFR	)-4		TOTAL		RE	MAR	KS				
R NAME / LOCATION		MIN.	1	-8-5	MAX.	D+		nber 1	INITIA	AL			Pr	ior 1 C	JCt.	At	ter 1 C	oct.	Aft	er 1 C	JCI.	АП	ter 1 C	JCT.	٠						
1 ITT, Roanoke, VA/LITTON, TX				*CI					REO	RDER							6			9			15			R #6 nin: 2	3 MF	R: 4	(Total =	= 27)	
2 Insight, Londonderry, NH				*CI			ł		INITI/	AL RDER							16			5			21			R #7	1 1/1	D· E	(Total	_16)	
								3	INITIA	AL							15			5			20						al Item	-10)	
3 Insight, Londonderry, NH		8 25		30 75	120 150		<u> </u>			RDER							^						44		ļ						
4 ITT, Roanoke, VA 5 Raytheon, Dallas, Texas		25 250		250	500	-	1		INITIA REOF	AL RDER							9			5			14		ł						
6 TBD				*CI	500		T		INITIA								0			10			10		t						
7 TBD							L		REO	RDER															1						

FY 00 / 01 BUDGET PRO	DUC	TION SC	HED					tem No							QUIP	MENT	(P440	017)					Date:				Febr	ruary 2	2000		
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COST ELEMENTS	R	FY	E R V	Each	1 OCT	1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	U U	A U G	S E P	
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1 ITT, Roanoke, VA/LITTON, TX			<u> </u>	*CI	1	<del>                                     </del>	1			RDER							6			9	1		15			FR #6		FR· 1	1 (Tota	al – 27	7)
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	Exhibi	t P-40, Budget	Item Justific	cation Shee	t		Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement,	Marine Corps (1109) / Communication	ons and Electronic Equipme	ent (4)				ITEMS UND	ER \$5 MILLION (CC	OMM & ELEC)		
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				11.1	8.3	6.8	10.2	9.4	5.5		51.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			0.0	11.1	8.3	6.8	10.2	9.4	5.5		51.3
Initial Spares											
Total Proc Cost				11.1	8.3	6.8	10.2	9.4	5.5		51.3
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which contains many different and unrelated items of equipment for which the annual procurement is less than \$5 Million each. The funds included in this budget line allow procurement of the following items. In FY 1998 and FY 1999, the programs below are under Items Less Than \$2 Million.

Joint Communications Support Element (JCSE) (463700) - this effort funds the Marine Corps share of efforts to keep the JCSE equipped with the latest state-of-the-art equipment to accomplish its Joint Staff Mission.

ADCP PIP (463700) - is a shelterized HMMWV mounted system that contains the necessary computer workstations and communications equipment to conduct air defense command, control, and communications operations.

Expeditionary Air Defense Systems (EADS) (CWAR) (463700) - system provides a lightweight, mobile and flexible target acquisition, and target cueing system, to the Marine Air Control Squadrons (MACS) platforms.

Power Supply Equipment (463900) - provides direct current (DC) voltage from an alternating current (AC) power source. This enables communication equipment to operate without batteries.

Tools, Sets, Kits & Chests (TSK&C) (463900) - provides general purpose tools and support items used to support the installation, operation, and maintenance of weapon systems.

Calibration Equipment (463900) - provides calibration equipment and materials required to calibrate, align, and maintain all Marine Corps test equipment, gauges, survey Instruments, etc.

AN/TPQ-46 False Location Radar Mod (468300) - currently funds an effort to reduce false locations.

AN/TPQ-46 Currently funds completion of the AN/TPQ-46/46A upgrade effort.

Night Vision Mod Line (493100) - Gen III tubes is a drop-in retrofit for the Gen II image intensification tubes found in the AN/PVS-7; Bioculars - device designed for use with the AN/TVS-5 (Night Vision Crew Served Weapon Sight); Light Interference Filter (LIF) - designed to go over the outside lens that protects the operator from incoming laser beams; and Retroreflection Defeating Filters - designed to go over the outside lens of both the AN/PVS-4 (Night Vision Individual Served Weapon Sight) and AN/TVS-5 (Night Vision Crew Served Weapon Sight).

Computer Assisted Logistics and Test Equipment Calibration System (CALTECS) (463900) - provides computer controlled calibration software and hardware to automate the tracking, repair, and calibration of test equipment.

Environmental Stabilization System (ESS) - ESS is a maintenance technology and readiness enhancement initiative which provides both a fully automated operational and long term preservation environment for the systems, equipment and materials associated with the Survey, Meteorological, and Counterfire Radar Sections of Marine Artillery Regiments. Smart work initiatives have been budgeted designed to reduce operational support costs.

	E	xhibit	P-40a, Bu	dget Item	Justifica	tion for A	Aggregate	ed Items	Date:		February 2000	1	
Appropriation / Budget Activity							P-1 Item Nome				1 cordary 2000		
Procurement, Marine Corps (1109) / Comm	unications	and Electr	onic Equipment (4)	)					ITEMS UNDER	R \$5 MILLION (C	COMM & ELEC)		
Procurement Items	Code	UOM	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Joint Communications Support Element (JCSE)	А	D		0.0	0.0	0.3	0.3	0.3	0.4	0.4	0.4		2.1
,		Q											
ADCP PIP	Α	D		0.0	0.0	0.3	0.3	0.1	0.1	0.1	0.0		0.9
		Q											
Expeditionary Air Defense Systems (EADS) (CWAR)	Α	D		0.0	0.0	1.5	1.5	1.6	1.6	0.0	0.0		6.2
		Q											
Power Supply Equipment	Α	D		0.0	0.0	2.0	1.9	0.0	0.0	0.0	0.0		3.9
		Q											
Tools, Sets, Kits & Chests (TSK&C)	Α	D		0.0	0.0	0.7	0.7	1.0	3.1	5.0	1.1		11.6
		Q											
Calibration Equipment	Α	D		0.0	0.0	2.1	2.1	2.2	2.2	2.3	2.3		13.2
		Q											
AN/TPQ-46 False Location Radar Mod	Α	D		0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0		1.3
		Q											
AN/TPQ-46/46A	Α	D		0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0		0.9
		Q											
Night Vision Mod Line	Α	D		0.0	0.0	1.5	1.5	1.6	1.6	1.7	1.7		9.6
		Q											
CALTECS	Α	D		0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0		0.9
		Q											
Environmental Stabilization System	Α	D		0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0		1.0
		Q											

							Date:				
	Exhibi	t P-40, Budget I	tem Justifi	cation Sheet					February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, I	Marine Corps (1109) / Communicati	ons and Electronic Equipmen	nt (4)				COMMON CC	MPUTER RESOUR	CES (P478XX)		
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
		<b>I</b>			1	T	T	ı	T.	1 1	
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				104.1	80.7	45.1	43.6	41.3	47.7	CONT	CONT
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				104.1	80.7	45.1	43.6	41.3	47.7	CONT	CONT
Initial Spares											
Total Proc Cost				104.1	80.7	45.1	43.6	41.3	47.7	CONT	CONT
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line supporting the Common Computer Resources (CCR) which contains the Marine Corps Common Hardware Client Workstations, and Marine Corps Common Hardware File/Application Servers.

The Marine Corps Common Hardware Client Workstations and File/Application Servers Programs implement approved recommendations of the Unified MAGTF C4I IPT and supports the Marine Corps Master Plan R.7. which calls for "A robust command and control/Information infrastructure, extending the defense information infrastructure to meet Marine Corps deployed and garrison information requirements ... Develop a computing ..... infrastructure capable of supporting both joint and service level national security systems and automated information systems....". Marine Corps Common Hardware File/Application Servers and Client Workstations Programs provide a refreshed and modernized Information Technology Infrastructure with a multi-level capability for user/applications. The multi-level approach includes a minimum of three basic technology ranges of varying capability from high, medium and low-end platforms that provide file and applications support for UNIX (RISC) and Intel (CISC) Base applications. Within each of the basic ranges there are specific capabilities such as the physical configuration (i.e. laptop), the level of ruggedization, the amount of RAM, the number and size of the hard drives, specific multimedia support, etc., that further configures a machine to meet a specific requirement. These options are currently available via the Marine Buyers Guide for procurement under numerous existing contract vehicles. Also included is a centralized infrastructure that will provide an enterprise approach to asset tracking, warranty maintenance and helpdesk functions. Common Computer Resources (CCR) provides a single procurement and management vehicle for Workstations and Servers for all Tactical and Non-Tactical C4I programs and ensures that each program fits within the framework architecture. Varied common computer resources are required to meet program specific functional applications and ruggedization.

\*Integrated Logistics Support (ILS) for both Workstations and Servers is centrally managed by the Program Manager and not divided between the two sub-projects. ILS is a centrally managed Marine Corps-wide approach to manage and support the workstation and field application server assets from an "enterprise perspective".

										Date:				
		Exh	ibit P-40a	, Budget	Item Jus	tification	for Aggr	egated It	ems			February 2000	)	
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement	t, Marine Corps / Com	municatio	ons and Electronic	Equipment					(	COMMON COM	PUTER RESOL	IRCES (P478X)	X)	
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
MCHS WORKSTATIONS		D	0				70.4	48.7	24.8	28.4	22.2	27.1	CONT	Cont
MOUG OFFINERS		Q	0				28.8	27.3	16.7	12.4	16.3	17.4	CONT	0 Cont
MCHS SERVERS		D	0				28.8	21.3	16.7	12.4	16.3	17.4	CONT	O O
		Q					4.0	4.0	0.0	0.0	0.7	0.0	CONT	
ILS		D	0				4.9	4.6	3.6	2.9	2.7	3.3	CONT	Cont
														0
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Exhibit P-5, Weapon		Appropriation/ Bud					m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement	t, Marine Co Electror	rps (1109) / Comr nic Equipment (4)	munications and	COMM	ION COMPUTER	RESOURCES (P4	78XX)			Febi	ruary 2000
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost		UnitCost	TotalCost		UnitCost	TotalCost		UnitCost	TotalCost		UnitCos
oot Element													
Weapon System Cost Elements  MCHS WORKSTATIONS MCHS SERVERS LS  OTAL Active Reserve		TotalCost \$000	FY 98 Qty Each	UnitCost \$	TotalCost \$000	FY 99 Qty Each	UnitCost \$	TotalCost \$000 70372 28836 4907 104115 103566 549	Each	UnitCost \$	TotalCost \$000 48730 27312 4614 80656 80105 551		UnitCo \$

	Exhib	it P-40, Budget I	tem Justifi	cation Sheet	i e		Date:		February 2000		
Appropriation / Budget Activity/S	erial No:				P-1 Item Nomencla	ture:					
Procurement, N	farine Corps (1109) / Communicat	tions and Electronic Equipmen	nt (4)				MCHS	WORKSTATIONS (A	A478X1)		
Program Elements for Code B It											
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				70.4	48.7	24.8	28.4	22.2	27.1	CONT	CONT
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				70.4	48.7	24.8	28.4	22.2	27.1	CONT	CONT
Initial Spares											
Total Proc Cost				70.4	48.7	24.8	28.4	22.2	27.1	CONT	CONT
Flyaway U/C											
Wpn Sys Proc U/C											

Marine Corps Common Hardware Client Workstations provide a multi-level capability for user/applications. The multi-level approach includes a minimum of three ranges of varying capability from high, medium and low-end platforms that provide file and applications support for UNIX (RISC) and Intel (CISC) Base applications.

A Client Workstation Infrastructure for all Tactical and Non-Tactical C4I programs. Per the Unified MAGTF C4I IPT "Means changing our viewpoint: From ensuring that each program can be executed autonomously ... To - ensuring that each program fits within the framework architecture." This is the first stage to a path which provides a Common Marine Corps Information Infrastructure.

The budget profile shown above are based on the individual C4I and non-C4I program AAO requirements and are supported by the centralized modernization initiatve. After completing a comprehensive TO/TE review during early 1999, the requirement analysis will shift to one that is based on allowance deficiencies and technological modernization. This future state will eliminate the traditional stovepipe approach to fielding C4I systems and signal a transition to a Marine Corpswide enterprise approach to network management.

Exhibit P-5, Weapon		Appropriation/ Bu	-				m Nomenclature:	ATIONO (A 470)(1)		Weapon System	Гуре:	Date:	2000
WPN SYST Cost Analysis		Procurement		rps (1109) / Comr nic Equipment (4)	munications and		MCHS WORKST	ATIONS (A478X1)				Febr	uary 2000
Weapon System	ID		FY 98	ilo Equipinoni (+)		FY 99		1	FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Goot Elements		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
AFATDS Non MCHS RISC (SP) Desktop Non MCHS RISC (SP) Laptop								6377 6900	97 94	65742 73404	7100 6008		6574 7326
ATLASS CISC Desktop (GP) High CISC Laptop (GP) High								2777 3373	712 496	3900 6800	1443 1836	370 270	390 680
ADCP RISC Desktop (GP) Nominal								125	9	13900			
TERPES RISC Desktop (GP) High								50	3	16700			
TCO CISC Laptop (GP) High											1006	148	680
DACT CISC Laptop (RG) High								12858	1250	10286			
CTAPS RISC Desktop (GP) Nominal								3253	234	13902			
IAS CISC Laptop (GP) High RISC Desktop (GP) Nominal RISC Desktop (GP) High								278 1029	41 74	6780 13905	278 1029	41 74	678 1390
GCCS CISC Desktop (GP) Nominal								100	40	2500			
TCAC CISC Laptop (GP) High								48	7	6857	48	7	685
TPCS CISC Laptop (GP) High								818	120	6816	682	100	681
SUBTOTAL								37986			19430		

Exhibit P-5, Weapon		Appropriation/ Bud	dget Activity	Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement		rps (1109) / Comr nic Equipment (4)	nunications and		MCHS WORKST	ATIONS (A478X1)				Febi	ruary 2000
Weapon System	ID		FY 98	,		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
DTO		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DTC CISC Laptop (RG) High RISC Desktop (GP) Nominal								500 250	48 16	10417 15625			
TPC RISC Desktop (GP) Nominal											667	48	13896
CI/HUMINT CISC Laptop (RG) High								615	117	5254			
Manpower AIS CISC Desktop (GP) Nominal								140	56	2500	190	76	2500
DPRIS CISC Desktop (GP) High											273	70	3900
UDMIPS CISC Desktop (GP) High CISC Laptop (GP) High								3997 2282	1025 336	3900 6792			
MAGTF II Log AIS CISC Desktop (GP) Nominal								651	260	2504			
TCAIMS II CISC Desktop (GP) Nominal CISC Laptop (GP) High								1280 2795	512 411	2500 6800	845 307	338 45	2500 6822
Distance Learning CISC Desktop (GP) Nominal CISC Desktop (GP) High								450 273	180 26	2500 10500	1925 168	770 16	2500 10500
PAO CISC Desktop (GP) Nominal CISC Laptop (GP) Nominal								25 77	10 24	2500 3200	28 150	11 47	2500 3200
SUBTOTAL								13335			4553		

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ But Procurement	, Marine Co	/Serial No: rps (1109) / Comr nic Equipment (4)	nunications and		m Nomenclature: MCHS WORKST	ATIONS (A478X1)		Weapon System	Type:	Date: Febr	uary 2000
Weapon System	ID		FY 98	1-1		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
COSt Elements	0.5	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
JAVELIN CISC Laptop (GP) High								400	59	6780			
TSSE CISC Desktop (GP) High								31	8	3875			
SJA CISC Desktop (GP) Nominal CISC Laptop (GP) Nominal								390 24	195 10	2000 2400	390 24	195 10	200 240
TRSS CISC Laptop (GP) High								300	50	6000			
JSIMS CISC Desktop (GP) Nominal CISC Desktop (GP) High											339 46	44 6	770 770
MARFORCND CISC Laptop (GP) High								221	32	6906			
Modernization CISC Desktop (GP) Nominal								17685	8843	2000	23948	11974	200
SUBTOTAL								19051			24747		
TOTAL Active Reserve								70372 69979 393			48730 48338 392		

ppropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Communications Equipment (4)	s and Electronic						S WORKSTATIONS	6 (A478X1	1)	
BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Is Dat
scal Years		and Type			Delivery	Each	\$		Avail	
Vorkstations										
Y00	MCHS BPAs	OTHER	MARCORSYSCOM	*	*	VAR	VAR	NO	NI/A	N/
Y01				*	*	VAR			N/A	N//
701	MCHS BPAs	OTHER	MARCORSYSCOM			VAR	VAR	NO	N/A	IN/
7 til Williad W3/Williad W3 14	Γ Desktop, Laptop Server acquisitions will be ε Buyer's Guide administered by PM, Common θ				and logisti	cs support	contained in th	ne Marii	ne Corp	os
					and logisti	cs support	contained in th	ne Marii	ne Corp	os

	Exhibi	it P-40, Budget It	tem Justific	cation Shee	t		Date:		February 2000		
Appropriation / Budget Activity/Se	rial No:			'	P-1 Item Nomencla	ture:				'	'
Procurement, Ma	arine Corps (1109) / Communication	ons and Electronic Equipmer	ıt (4)				MC	HS SERVERS (A478	8X2)		
Program Elements for Code B Items:  Code: Other Related Program Elements:  Prior Years FY 1998 FY 1999 FY 2000 FY 2001 FY 2003 FY 2004 FY 2005 To Complete To											
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				28.8	27.3	16.7	12.4	16.3	17.4	CONT	CONT
Less PY Adv Proc											<u> </u>
Plus CY Adv Proc											<u> </u>
Net Proc (P-1)				28.8	27.3	16.7	12.4	16.3	17.4	CONT	CONT
Initial Spares											
Total Proc Cost				28.8	27.3	16.7	12.4	16.3	17.4	CONT	CONT
Flyaway U/C	vay U/C										
Wpn Sys Proc U/C											

Marine Corps Common Hardware File/Application Servers provides a multi-level capability for applications. The multi-level approach includes a minimum of three ranges of varying capability from high, medium and low-end platforms file and applications support for UNIX (RISC) and Intel (CISC) Base applications.

A Client Workstation Infrastructure for all Tactical and Non-Tactical C4I programs. Per the Unified MAGTF C4I IPT "Means changing our viewpoint: From - ensuring that each program can be executed autonomously ... To - ensuring that each program fits within the framework architecture." This is the first stage to a path which provides a Common Marine Corps Information Infrastructure.

The budget profile shown above are based on the individual C4I and non-C4I program AAO requirements and are supported by the centralized modernization initiatve. After completing a comprehensive TO/TE review during early 1999, the requirement analysis will shift to one that is based on allowance deficiencies and technological modernization. This future state will eliminate the traditional stovepipe approach to fielding C4I systems and signal a transition to a Marine Corpswide enterprise approach to network management.

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ But Procurement		/Serial No: rps (1109) / Comr	nunications and	P-1 Line Ite	m Nomenclature: MCHS SERVI	ERS (A478X2)		Weapon System	Type:	Date: Feb	uary 2000
-	-		Electronic	Equipment (4) / 02		<u> </u>		,					
Weapon System Cost Elements	ID CD	TotalCost	FY 98 Qty	UnitCost	TotalCost	FY 99 Qty	UnitCost	TotalCost	FY 00 Qty	UnitCost	TotalCost	FY 01 Qty	UnitCost
Cost Elements	CD	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ATLASS Non MCHS RISC (SP) RISC (GP) High		<b>\$</b>	24011	Ψ	ΨΟΟΟ	Lucii	Ψ	676 7952	6 142	·	225 4984	2 89	112500 56000
ADCP RISC (GP) High								503	9	55889			
TERPES RISC (GP) High								56	1	56000			
GCCS RISC (GP) Minimum								608	20	30400			
TPC RISC (GP) High											754	16	47125
IAS RISC (GP) Minimum								982	32	30687	1459	48	30400
DMS CISC (GP) High											4523	223	20282
DISN CISC (GP) Medimum CISC (GP) High RISC (GP) Minimum								5250 1352 1479	600 52 87	8750 26000 17000	5250	600	8750
Manpower AIS RISC (GP) High								112	2	56000	56	1	56000
SMARTS RISC (GP) High								366	4	91500	366	4	91500
TCAIMS II CISC (GP) High								1083	54	20056	554	27	20519
Distance Learning CISC (GP) Medium CISC (GP) High								90 222	3	30000 73900	1410 1478	47 20	30000 73900
Total Force Structure CISC (GP) High											50	1	50000
SUBTOTAL								20731			21109		

Exhibit P-5, Weapon		Appropriation/ But	-	'Serial No: rps (1109) / Comn	nunications and	P-1 Line Ite	m Nomenclature:	ERS (A478X2)		Weapon System	Type:	Date:	uary 2000
WPN SYST Cost Analysis		Procurement		rps (1109) / Comr Equipment (4) / 02			MCH5 SERV	ERS (A478X2)				Febr	uary 2000
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TSSE CISC (GP) Minimum								162	8	20250			
SJA CISC (GP) Minimum								18	2	9000	18	2	900
JSIMS CISC (GP) Medium CISC (GP) High											440 110	16 4	2750 2750
MARFORCND CISC (GP) High								1479	73	20260			
Modernization CISC (GP) High								6446	317	20334	5635	278	2027
SUBTOTAL								8105			6203		
TOTAL Active Reserve								28836 28680 156			27312 27153 159		

ropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			
rocurement, Marine Corps (1109) / Communications a	and Electronic						CHS SERVERS (A	478X2)		
S Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Is Date
al Years		and Type			Delivery	Each	\$		Avail	
HS SERVERS										
00	MCHS BPAs	OTHER	MARCORSYSCOM	*	*	VAR	VAR	NO	N/A	N/
01	MCHS BPAs		MARCORSYSCOM	*	*	VAR	VAR		N/A	N/A
	L Desktop, Laptop Server acquisitions will be ε uyer's Guide administered by PM, Common				and logisti	cs support	contained in th	ne Marii	ne Corp	os

	Exhibit P	-40, Budget I	tem Justific	ation Sheet			Date: Februa	ary 2000			
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomenclar	ure:	•				
Procurement, Ma	arine Corps (1109) / Communications and E	lectronic Equipment (4	) / 030				COMMA	ND POST SYSTEMS	(P44404)		
Program Elements for Code B I	tems:		Code:	Other Related Progr	ram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	23.7		24.1	4.4	9.5	23.0	25.2	50.9	80.9	CONT	CONT
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	23.7		24.1	4.4	9.5	23.0	25.2	50.9	80.9	CONT	CONT
Initial Spares	1.7				0.8	0.4	0.3				3.1
Total Proc Cost	25.4		24.1	4.4	10.3	23.4	25.5	50.9	80.9	CONT	CONT
Flyaway U/C											
Wpn Sys Proc U/C											

## THIS IS A ROLLED LINE CONSISTING OF THE FOLLOWING:

Tactical Combat Operations (TCO) - provides digital mapping, messaging, overlay, and related capabilities to Marine commanders and their staffs at the battalion level and above.

ADPE (GCCS) Global Command and Control System - consists of command and control subsystems which enable the National Command Authorities (NCA), the Joint Staff, and commanders at appropriate levels to direct and control the operation of U.S. military forces.

Advance Field Artillery Tactical Data System (AFATDS) - provides digital fire support Command and Control (C2) automation to Marine Air Ground Task Force (MAGTF) Fire Support Coordination Centers, Fire Direction Centers, and Supporting Arms Coordination Centers (afloat).

Unit Operations Center (UOC) - will provide a facility and components for the integration of current and planned battlefield automation systems designed to optimize the positioning, interaction, and flow of information among the various staff agencies (G-2, G-3, Operations Directorate, etc.) and their automated information systems and between the unit and higher, adjacent or subordinate units or headquarters.

JTF Communications - The Joint Enhanced Core Communications System (JECCS) facilitates a robust command and control capability for the Marine Expeditionary Unit (MEU) and for a Marine Expeditionary Force (MEF) Forward headquarters. It provides the Joint Task Force (JTF) Enabler mission requirement for a "first-in" capability that accesses the Defense Information System Agency (DISA) Standard Tactical Entry Point (STEP) services such as NIPRNET, SIPRNET, DSN,VTC, AND AUTODIN.

										Date:				
		Exh	ibit P-40a	ı, Budget	Item Jus	tification	for Aggr	egated It	ems			February 2000	)	
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement, Marine Co	orps (1109) / 0	Communic	ations and Elect	ronic Equipment						COMMAND	POST SYSTEM	/IS (P44404)		
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
TACTICAL COMBAT OPERATIONS	А	D				2.2	0.0	1.3	0.0	0.1	0.1	0.1		3.8
AFATDO		Q				10.1	3.1	2.9	2.3	0.0	0.5	2.6	CONT	0.0 CONT
AFATDS	A	D				10.1	3.1	2.9	2.3	0.0	0.5	2.0	CONT	0.0
		Q												CONT
ADPE (GCCS/WWMCCS)	A	D				1.8	1.3	5.3	3.4	1.9	2.0	1.9	CONT	0.0
	-	Q											00117	CONT
Unit Operations Center (UOC)	В	D							17.3	23.3	48.3	76.3	CONT	0.0
ITE 0		Q (				10.0	0.0	0.0	0.0	0.0	0.0	0.0		10.0
JTF Communications	В	D				10.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
		Q												0.0
														0.0
														0.0
														0.0
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Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bud Procurement, Ma	rine Corps (	1109) / Communicat	tions and Electronic		m Nomenclature: OMMAND POST	SYSTEMS (P4440	4)	Weapon System	Туре:	Date: Feb	ruary 2000
-	ΙΓ		Equip	oment (4) / 030		EV 22		1	EV 00			EV 24	
Woodbon Overeni	ID CD	TotalCost	Qty	UnitCost	TotalCost	FY 99 Qty	UnitCost	TotalCost	FY 00 Qty	UnitCost	TotalCost	FY 01 Qty	UnitCost
Cost Elements	CD	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TACTICAL COMBAT OPERATIONS ADPE (GCCS/WWMCCS) AFATDS JTF COMMUNICATION	A A B	ψοσο	Luon	Ÿ	2246 1787 10104 10000		Ÿ	1300 3052	Edon	*	1270 5320 2917		•
TOTAL Active Reserve					24137 22044 2093			4352 3891 461			9507 9069 438		

	Exhib	oit P-40, Budget	Item Justific	ation Sheet			Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomenclat	ure:			•		
Procurement, Ma	arine Corps (1109) / Communication	s and Electronic Equipment (4	1) / 030				ADPE (	GCCS/WWMCCS) (	A44403)		
Program Elements for Code B I	Items:		Code:	Other Related Progr	ram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty										·	
Gross Cost	4.3		1.8	1.3	5.3	3.4	1.9	2.0	1.9	CONT	CONT
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	4.3		1.8	1.3	5.3	3.4	1.9	2.0	1.9	CONT	CONT
Initial Spares											
Total Proc Cost	4.3		1.8	1.3	5.3	3.4	1.9	2.0	1.9	CONT	CONT
Flyaway U/C											
Wpn Sys Proc U/C											
ADPE (GCCS) Glol	bal Command Control Sy	stem. The Global	Command and	Control Syste	m (GCCS) is	a joint mandat	ed Command	and Control (0	C2) Automate	d Data Process	sing (ADP)

ADPE (GCCS) Global Command Control System. The Global Command and Control System (GCCS) is a joint mandated Command and Control (C2) Automated Data Processing (ADP) "system-of- systems" which provides a C4I capability for Marine Corps commands and supporting establishments for participation in joint planning and execution. GCCS consists of the following: common hardware; common operating system (OS); common software, i.e. the Defense Information Infrastructure Common Operating Environment (DII COE); and C2 applications. The C2 applications, or segments, can be broken down into the following three groups: (1) joint segments which are developed and maintained by the Defense Information Systems Agency (DISA) under the sponsorship of the Joint Staff; (2) Executive Agent (EA) segments which are developed and maintained by one of the Military Services under the sponsorship of the Joint Staff; and (3) service mission specific (SMS) segments which are developed and maintained by each service under the sponsorship of that service's organization. Joint and EA segments are distributed by DISA via sequential GCCS Software Releases. SMS segments are submitted by each service to DISA for interoperability testing and potential incorporation as joint segments or designation as EA segments. Following satisfactory interoperability testing, SMS segments are distributed by each service at their discretion. Initially, only joint and EA segments have been distributed to Marine Corps Command Posts (CP).

\*\*\*Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). The following amounts are for this project:

FY00 QTY/\$M

Workstations 9/0.125 Servers 9/0.503

Exhibit P-5, Weapon		Appropriation/ Bud					m Nomenclature:			Weapon System	Type:	Date:	
<b>WPN SYST Cost Analysis</b>		Procurement	, Marine Co Electronic I	orps (1109) / Comr Equipment (4) / 03	munications and	,	ADPE (GCCS/WV	WMCCS) (A44403)	)			Feb	ruary 2000
Weapon System	ID		LIGOTI OTILO	Equipmont (1) / 00		FY99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
ADPE (GCCS)	Α												
PM Support ntegration & Assembly fielding					200 1587			141 1159			464 4856		
TOTAL ACTIVE RESERVE					1787 1787			1300 1300			5320 5320		

	Exhibit F	-40, Budget	Item Justifi	cation Shee	t		Date:		February 2000	)	
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, N	Marine Corps (1109) / Communications	and Electronic Equipme	ent (4)				MANEU	VER C2 SYSTEMS	(P44401)		
Program Elements for Code B I	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	13.9		9.5	6.8	0.0	9.6	6.6				46.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	13.9		9.5	6.8	0.0	9.6	6.6	0.0			46.3
Initial Spares					0.4	0.5	0.3	0.1			1.2
Total Proc Cost	13.9		9.5	6.8	0.4	10.1	6.8	0.1			47.5
Flyaway U/C											
Wpn Sys Proc U/C											

Maneuver C2 is the executive layer of decision support that pulls and fuses information from the functional areas. It provides an integrated representation of the battlespace or a specific area of concern. The systems included in this budget line report unit status and location to the Tactical Combat Operations (TCO) and Advanced Tactical Air Command Control (ATACC). They also disseminate maneuver information throughout the battlespace.

This is a rolled line consisting of the following:

JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS) - an advanced radio system that provides secure, jam resistant information distribution, position location, and identification capabilities in an integrated form for tactical military operations.

DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT) will function as a situational awareness and communications terminal for echelons at and below the Battalion within the Marine Corps. The DACT will receive, store, retrieve, create, modify, transmit, and display map overlays, operational message/reports, and position information via tactical radios, networks, and/or wire lines. A phase approach for fielding the full functionality of the system will be used consisting of software upgrades and enhancements to allow interoperability with other C4I systems.

			U 14 D 40							Date:				
		Exh	ibit P-40a	, Budge	t Item Jus	stification					F	ebruary 200	00	
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement, Ma	arine Corps (1109) / C			onic Equipme	nt					MANEUVE	R C2 SYSTEM	S (P44401)		
Procurement Items	Code	UOM	Prior Years			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
JTIDS	A	D				7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
		Q												0
DACT	В	D				2.0	6.8	0.0	9.6	6.6	0.0	0.0	0.0	24.9
		Q												0
														0
														0
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Exhibit P-5, Weapon	Ţ.	Appropriation/ Bud					m Nomenclature:			Weapon System	Type:	Date:	
<b>WPN SYST Cost Analysis</b>		Procurement	t, Marine Co Electror	rps (1109) / Comn nic Equipment (4)	nunications and	N	MANEUVER C2 S	YSTEMS (P44401	)			Febr	ruary 2000
Weapon System	ID			111 - 1(7		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Cost Elements  UTIDS	A B					Each						Qty	

	Exhibi	it P-40, Budget I	tem Justific	cation Sheet	i		Date:		February 2000		
Appropriation / Budget Activity/S	erial No:				P-1 Item Nomencla	ture:					
Procurement, M	larine Corps (1109) / Communicati	ons and Electronic Equipmen	nt (4)					DACT (A44405)			
Program Elements for Code B It	ems:		Code:	Other Related Prog	gram Elements:						
	0206313M		В								
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty				1210		1041					2251
Gross Cost	5.6		2.0	6.8		9.6	6.6				30.5
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	5.6		2.0	6.8		9.6	6.6	0.0			30.5
Initial Spares					0.4	0.5	0.3	0.1			1.2
Total Proc Cost	5.6		2.0	6.8	0.4	10.0	6.8	0.1			31.7
Flyaway U/C											0.0
Wpn Sys Proc U/C				0		0					.0

The Data Automated Communications Terminal (DACT) will function as a situational awareness and communications terminal for echelons at and below the Battalion within the Marine Corps. The DACT will receive, store, retrieve, create, modify, transmit, and display map overlays, operational message/reports, and position information via tactical radios, networks, and/or wire lines. A phased approach for fielding the full functionality of the system will be used consisting of software upgrades and enhancements to allow interoperability with other C4I systems.

\*\*\*Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). The following amounts are for this project:

	FY00	FY01	FY02	FY03
Quantity of workstations	1250	0	1261	1181
Total Procurement Cost (\$M)	12.9	0	12.1	3.0

DT - Sept 97 - Aug 98 IOT&E - Mar 00 MS I/II - Nov 97 MS III - Aug 00

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ But Procurement	-	/Serial No: rps (1109) / Comn	nunications and	P-1 Line Ite	m Nomenclature: DACT (	A44405)		Weapon System	Type:	Date: Feb	uary 2000
<u> </u>				nic Equipment (4)				• • • • • • • • • • • • • • • • • • • •					
Weapon System	ID	T . 10 .	01	11.70	T / 10 /	FY 99	11.70	T . 10	FY 00	11.70	T / 10 /	FY 01	11.70
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
Ruggedized Handheld Computer(RHC) Vehicle Mount Assembly & accessories COTS Equipment COTS Software Licenses Support Equipment Production Support - Raytheon, Indianapolis Factory Training Logistics Support		\$000	Each	\$	\$000 446 900 610		\$	\$000 2432 802 125 200 2474 450 276 30	1186	2050	\$000	Each	\$
TOTAL Active Reserves					1956 1956			6789 6789					

	it P-5a, Budget Procureme	Weapon Syste			DALLERK	Name			February 2	
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electron	ic	weapon Syste	ет туре:		P-1 Line Item	Nomenclature	: DACT (A44405	2)		
Equipment (4)		Contract		1				Specs	Date	RFP Iss
/BS Cost Elements:	Contractor and Location	Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Avail?	Revsn	Date
iscal Years		and Type			Delivery	Each	\$		Avail	
RHC) Vehicle Mount Assembly & Accessories										
Y 00	Raytheon, Indianapolis, IN	C/TM*/O	MARCORSYSCOM	Sep-00	Jan-01	1186	2050	N/A	N/A	N/A
REMARKS: *TM=Time and Material										
Tivi–Time and waterial										
Unit cost for vehicle mount assemble	y includes vehicle cables and unit c	ost is an estima	ate.							

FY 00 / 01 BUDGET PRO	חוור	TION SC	HED	III E			P-1 I	tem No	menc	lature	:			DACT	Τ (Δ//	1405)							Date	i:			Eehri	uary 2	000		
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R NAME / LOCATION		MIN.		-8-5	MAX.	D +			INITIA								11			4			15								
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FY 00 / 01 BUDGET PROD		TION SC	HEVI	11 =			P-1 II	em No	menc	clature	:		DAC.	Г (А44	140E)								Date	ı:				Cobr	uary-20	200	
FI 00/01 BODGET FROM		TION 30	HED	PROC	ACCEP.	BAL					Fis	cal	Year		1405)			_					Fig	scal	Yea	r 02		rebit	Jary-2	J00	L
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COST ELEMENTS	R		R V		1 OCT	1 OCT	C	0 V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	O V	E	A N	E B	A R	P R	A Y	U N	U	U G	E P	E R
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Exhibit P-40, Budget Item Justification Sheet							Date: February 2000				
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 032					P-1 Item Nomenclature:  RADIO SYSTEMS (P44445)						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty										·	
Gross Cost	67.7		45.9	96.2	3.1						212.9
Less PY Adv Proc											
Plus CY Adv Proc											·
Net Proc (P-1)	67.7		45.9	96.2	3.1	0.0	0.0	0.0	0.0		212.9
Initial Spares	1.6		2.2	4.6	4.5	0.5			0.3		13.7
Total Proc Cost	69.3		48.1	100.8	7.7	0.5			0.3		226.6
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which contains the following programs:

SINCGARS RADIO - The SINCGARS radio replaces all AN/PRC-77 Manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the Marine Corps inventory. The SINCGARS radio is used as the primary means of communication for command control as well as fire support on the battlefield.

GROUND MOBILE FORCES (GMF) (STAR-T) - The GMF START-T (Super High Frequency (SHF) Tri-band Advanced Range Extension Terminal) is a tactical satellite terminal that is mounted on a heavy HMMWV. All components will be self contained on a removable pallet and can operate independently of the HMMWV, and each terminal will be interoperable with existing tactical satellite terminals and Tri-Tac equipment.

SECURE MOBILE ANTI-JAM RELIABLE TACTICAL TERMINAL (SMART-T) - This terminal operates with MILSTAR compatible communications payloads and transmits an extremely high frequency (EHF) uplink signal and receives a super high frequency (SHF) downlink signal to provide the MAGTF commander with robust, low probability of intercept, jam resistant communications.

AN/PSC-5 ENHANCED MANPACK RADIO - A manportable UHF satellite communications (SATCOM) terminal that will provide long range, single channel, communications.

STANDARD JOINT TASK FORCE HEADQUARTERS (SJTF HQ) - The purpose is to support the internal and external communication requirements for the Headquarters element of the SFT. The SFT HQ (CSA) provides the STF with a reapidly deployable, easy to use, redundant communication system utilizing minimum equipment types.

Exhibit P-40, Budget Item Justification Sheet	Date: February 2000								
This is a roll-up line which contains the following programs:									
ENHANCE POSITIONING LOCATOR REPORTING SYSTEM (EPLRS) - Will provide Marine Forces with a critical command, control, and situational awareness data distribution network that does not currently exist. Provides robust, seamless, and integrated data distribution that supports numerous MAGTF C4I tactical data systems.									
HIGH FREQUENCY (HF) RADIOS - These radios employ advanced technology to provide high-speed data rates, digital voice, automodems (serial tone, 39 tone, and FSK), embedded COMSEC, active squelch, and improved power management.	omatic link establishment 9ALE), frequency hopping, multi-waveform								
GLOBAL BROADCAST SERVICE (GBS) TERMINAL - A small lightweight, multi-megabit-per-second receive only Satellite Commu broadcasts of standard products such as UAV Video, Classified and Unclassified intelligence information, weather, theater message and morale welfare and recreation (MWR) programming.	,								
INTRA SQUAD RADIOS (ISR) - The ISR will provide the Marine Infantry Battalion an intra squad communications network. This warm signals and voice communications are not practical, not possible, or would jeopardize the mission. The ISR will be a voice-only receive on 14 discrete channels in the Military UHF band and provide for 38 Continuous Tone Coded Squelch System (CTCSS) talk sufficiently low to suit the operational concept and minimize the threat to the system. This capability will be in line with the total force	, non-secure means of communications. The radio should transmit and -groups per channel. Power output and transmission range is								

										Date:				
		Exh	ibit P-40a	for Aggr	egated It	ems			February 2000	1				
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement, Marine Corps	(1109) / (	Communic	cations and Elect	ronic Equipment				RADI	O SYSTEMS (P4	14445)				
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
SINCGARS	Α	D				7.9	5.0							12.9
	_	Q				5.0	54.5	4.0						0
GROUND MOBILE FORCES (STAR-T)	В	D				5.2	54.5	1.0						60.7
		Q												0
SMART-T	Α	D				18.1	0.6							18.7
		Q												0
AN/PSC-5 ENHANCED MANPACK RADIO	Α	D				0.2	3.7							3.9
		Q												0
LANT SJTF HQ	Α	D				8.0								0.8
		Q												0
ENHANCE POSITIONING LOCATOR REPORTING SY	Α	D				10.7	14.6	1.1						26.4
		Q												0
HIGH FREQUENCY (HF) RADIOS	Α	D				0.0	5.8	0.4						6.2
		Q												0
GLOBAL BROADCAST SERVICE	В	D				0.0	12.0	0.7						12.7
		Q												0
INTRA SQUAD RADIO	Α	D				3.0								3
	1	Q												0
		3												0
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Exhibit P-5, Weapon		Appropriation/ Bu				P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procuremen		rps (1109) / Comr Equipment (4) / 03			RADIO SYST	EMS (P44445)				Feb	ruary 2000
Weapon System	ID		FY 98	equipment (4) / US	32	FY 99		1	FY 00		<u> </u>	FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo
Cost Elements	CD	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
SINCGARS	Α	\$000	Each	Ф	7913		Φ	4978	Each	Φ	\$000	Each	- Þ
GROUND MOBILE FORCES (STAR-T)	В				5193			54469			971		
SMART-T	Ā				18100			626					
AN/PSC-5 ENHANCED MANPACK RADIO	Α				200			3733					
_ANT SJTF HQ	Α				751								
ENHANCE POSITIONING LOCATOR	Α				10716			14586			1079		
HIGH FREQUENCY (HF) RADIOS	Α							5813			388		
GLOBAL BROADCASTING SERV (GBS)	В				0000			12011			659		
INTRA SQUAD RADIO	Α				3000								
TOTAL					45873			96216			3097		
Active					41478			86521			3097		
Reserve					4395			9695					
			I			1				l			

	Exhibi	t P-40, Budget	Item Justific	cation Shee	t		Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:	-				
Procurement, Mar	rine Corps (1109) / Communications	and Electronic Equipment	(4) / 029				:	SINCGARS (A4436)	3)		
Program Elements for Code B I	tems:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	23987										23987
Gross Cost	198.3		7.9	5.0							211.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	198.3		7.9	5.0	0.0	0.0	0.0	0.0	0.0		211.2
Initial Spares	1.6		1.3	1.0							3.9
Total Proc Cost	199.9		9.2	6.0							215.1
Flyaway U/C											0.0
Wpn Sys Proc U/C	.0										.0

The SINCGARS radio replaces all AN/PRC-77 Manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the Marine Corps inventory. The SINCGARS radio is used as the primary means of communication for command and control as well as fire support on the battlefield. SINCGARS is highly reliable with over 1250 hours mean time between failure and the built-in test equipment eases the workload. Frequency hopping capability offers low probability of intercept, while integrated COMSEC deletes the requirement for external communications security equipment.

SINCGARS Radios have not been procured beyond FY 1997.

Funding in FY 1998 - FY 2000 reflects costs associated with the fielding and support of SINCGARS to include: Installation

Prior years Procurement in BLI 451000, SINCGARS.

Exhibit P-5, Weapon		Appropriation/ Bu		'Serial No: rps (1109) / Comn	nunications and	P-1 Line Ite	m Nomenclature:	S (A44363)		Weapon System	Type:	Date:	ruary 2000
WPN SYST Cost Analysis		Frocuremen		rps (1109) / Comn Equipment (4) / 03			SINCGAR	U (M44303)				rebi	ualy 2000
Weapon System	ID		FY 98	. , ,		FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
INCGARS ncillary Equipment stallation Kits laintenance Support ield Service Representatives ew Equipment Training Teams ielding/Installation by Contractor eliability Award Fee ontracting Support	A				449 280 1351 1688 2786 1022 337			252 1093 3298 335					
OTAL ctive eserve					7913 7913			4978 4978					

	Exhibit I	P-40, Budget I	tem Justific	cation Sheet	i		Date:		February 2000		
Appropriation / Budget Activity/Serial N	0:				P-1 Item Nomencla	ture:					
Procurement, Marine Cor	rps (1109) / Communications and	d Electronic Equipment (	4) / 032				GROUND MO	BILE FORCES (STA	AR-T) (A44245)		
Program Elements for Code B Items:			Code:	Other Related Prog	ram Elements:						
	26313M/C2275*		В								
			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty				40							40
Gross Cost			5.2	54.5	1.0						60.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			5.2	54.5	1.0						60.7
Initial Spares					3.9						3.9
Total Proc Cost			5.2	54.5	4.9						64.6
Flyaway U/C											1.5
Wpn Sys Proc U/C				1.4							1.5

The GMF STAR-T (Super High Frequency (SHF) Tri-band Advanced Range Extension Terminal) is a tactical satellite terminal that is mounted on a heavy HMMWV. All components (communications equipment and antenna) will be self contained on a removable pallet and can operate independently of the HMMWV. Each terminal will be interoperable with existing tactical satellite terminals and Tri-Tac equipment. These terminals will also be compatible with the other services. Due to its configuration on one HMMWV, this terminal will provide increased mobility with roll-on, roll-off capability. 15 Light weight, high gain, X-band antennas will be procured to support high data rate (Hub) applications of STAR-T.

\*Army MS I/III-Jul 94 DT-Oct 97 OT-OCT 99 MC MS III - 3QTR FY00

Exhibit P-5, Weapon		Appropriation/ Bu					m Nomenclature:			Weapon System	Гуре:	Date:	
WPN SYST Cost Analysis		Procurement		rps (1109) / Comn Equipment (4) / 03		GROUI	ND MOBILE FOR	CES (STAR-T) (A4	14245)			Feb	ruary 2000
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
GMF		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
LHGXA Antenna	В				4541	15	302733	52604	40	1315100			
SUPPORT:													
Engineering Support Factory/Net Training Travel Fielding Initial Spares					223 50 20 359			660 150 25 1030			971		
TOTAL ACTIVE RESERVE					5193			54469 46969 7500			971		

	Exhibit P-5a, Budget Procurement								February 2	2000
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature				
Procurement, Marine Corps (1109) / Communic Equipment (4) / 032	ations and Electronic					GROUND N	OBILE FORCES (S	STAR-T) (	A44245)	
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Is Dat
iscal Years		and Type			Delivery	Each	\$		Avail	
LHGXA ANTENNAS FY 99	HARRIS	C/FFP	СЕСОМ	A== 00	Can 00	15	302733	Yes	Nia	N/A
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Y 00	RAYTHEON	C/FFP	CECOM	Jan-00	Sep-00	40	1315100	Yes	No	N/
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Exhibit P-20, Req	uiremente Study	Approriation/Budget	Activity/Serial No:				Date:		
	•	Procuren		109) / Communications a	nd Electronic Equipme	nt (4) / 029		February 2000	
P-1 Line Item Nomenclature (Incl	lude DODIC for Ammunition Items):		Admin Leadtime (af	ter Oct 1):			Prod Leadtime:		
RADIO	SYSTEMS (P44445)	GMF		6	Months			12	Months
GMF		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				40					
Unit Cost				1361.7					
Total Cost				54469.0					
Asset Dynamics									
Beginning Asset Pos	ition				3	40	40	40	40
Deliveries from:	FY 1999 Funding								
Deliveries from:	FY 2000 Funding			3	37				
Deliveries from:	FY 2001 Funding								
Deliveries from Subs	equent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retiremen	ts/Attritions								
End of Year Asset Po	osition			3	40	40	40	40	4
Inventory Objective or C	urrent Authorized Allowance								
Inventory Objective	Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
40	Expenditures	U	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	98 thru	98 thru		98 thru	·			PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Remarks: Support costs are included in unit costs.

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1 RAYTHEON		1		5	7					RDER		2					3			8			11								
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	Exhibit P-4						Date:				
		10, Budget II	tem Justific	ation Sheet					February 2000		
Appropriation / Budget Activity/Serial No:					P-1 Item Nomenclat	ure:					
Procurement, Marine Corps (1109)	Communications and Ele	ectronic Equipment (4	) / 032					SMART-T (A44130)	)		
Program Elements for Code B Items:			Code:	Other Related Prog	ram Elements:						
			Α								
			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty			24	1							25
Gross Cost			18.1	0.6							18.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			18.1	0.6							18.7
Initial Spares					0.1						0.1
Total Proc Cost			18.1	0.6	0.1						18.8
Flyaway U/C											0.7
Wpn Sys Proc U/C			.8	.6							.7
The MILSTAR SMART-T is communications payloads. Sprovide the MAGTF comman rate communications simulta frequency spectrum and pro T will meet the Joint require tactical communications not	SMART-T trans nder with robust neously. The S vide MAGTF element for a data	mits an extre t, low probab SMART-T will ements with /voice satelli	emely high frillity of interd I provide the multi-channe te communi	equency (El- cept, jam res Marine Cor el internal an cations syste	HF) uplink sig istant comm os alignment d external, k	gnal and recu unications. with the Joi ong haul, crit	eives a supe SMART-T p nt Staff MIL: tical comma	er high frequerovides mult SATCOM arended and and and and and and control	ency (SHF) ti-channel m chitecture ir ol communi	downlink sign ledium and lo n the EHF sat cations. The	nal to w data tellite SMART-

Appropriation / Budget Activity/Serial i Procurement, Marine Co Program Elements for Code B Items:		ibit P-40, Budget I	tem Justini	cation Sneet	P-1 Item Nomencla	ture:			February 2000		
Procurement, Marine Co		ions and Electronic Equipment (			P-1 Item Nomencla	ture:					
	orps (1109) / Communicat		1) / 000				41/200 5 ENU	NIOED MANIDAGIC	DADIO (A 44404)		
Program Elements for Code B Items:		ions and Electronic Equipment (4		Other Related Prog			AN/PSC-5 ENH	ANCED MANPACK	RADIO (A44131)		
			Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	0.1		0.2	3.7							4.0
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.1		0.2	3.7							4.0
Initial Spares			0.9	0.8	0.5						2.2
Total Proc Cost	0.1		1.1	4.5	0.5						6.2
Flyaway U/C											
Wpn Sys Proc U/C											
The AN/PSC-5 is a n incorporates the Den (COMSEC) and encr to voice and data, the	nand Assigned I rypted voice and AN/PSC-5 inte	Multiple Access (DA d data capabilities, rfaces facsimile, te	AMA) protoc ensuring mu letype, NET	ol mandated ılti-service int Radio Interfa	by the Joint teroperability ace (NRI), an	Staff. The A with most e	،N/PSC-5 pr xisting and إ	ovides embe	edded Comi	munications S	Security

	Evbib	it D 40 Budget l	tom luctifi	nation Shaa	4		Date:				
		it P-40, Budget I	item Justini	cation Snee					February 2000		
Appropriation / Budget Activity			4) / 000		P-1 Item Nomencla	ture:		NT 0 ITE 110 (4.44)	200)		
Program Elements for Code B	arine Corps (1109) / Communications	s and Electronic Equipment (	4) / 032 Code:	Other Related Pro	rom Flamento:		L	ANT SJTF HQ (A446	532)		
Frogram Elements for Code B	nterns.		A	Other Related Frog	gram Elements.						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	Filor rears		111999	112000	112001	1 1 2002	1 1 2003	112004	1 1 2003	10 Complete	Total Flog
Gross Cost	2.3		0.8								3.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	2.3		0.8								3.1
Initial Spares											
Total Proc Cost	2.3		0.8								3.1
Flyaway U/C											
Wpn Sys Proc U/C											
system utilizing n	the Headquarters ele ninimum equipment ty PS); Single Channel LC	pes. It provides	the STF with	n Multichanne	el SatCom; S	Single Chanr	nel Tactical S				

	Exhibit	P-40, Budget	Item Justific	cation Sheet			Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:	-				
Procurement, Mar	ine Corps (1109) / Communications a	and Electronic Equipment (	(4) / 032			EN	HANCED POSITION	NING LOCATOR RE	PORTING SY (A44	633)	
Program Elements for Code B I	tems:		Code:	Other Related Prog	ram Elements:						
			Α								
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	18.5		10.7	14.6	1.1						44.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	18.5		10.7	14.6	1.1						44.9
Initial Spares			0.0	1.1		0.5			0.3		1.9
Total Proc Cost	18.5		10.7	15.7	1.1	0.5			0.3		46.8
Flyaway U/C											
Wpn Sys Proc U/C											

The Enhanced Position Location Reporting System (EPLRS) will provide Marine Forces with a critical command, control, and situational awareness data distribution network that does not currently exist. EPLRS provides robust, seamless, and integrated data distribution that supports numerous MAGTF C4I tactical data systems. The system will be fielded to infantry, artillery, light armored vehicle (LAV), tank, and mobile command units. EPLRS will be the primary entry node for sensor collected information from forward deployed units for transmission to higher headquarters; this type of connectivity is not currently available. The EPLRS system is being fielded to the U.S. Army as their tactical data distribution network, thus, data connectivity between Army and Marine Forces will be made easier when operating in a Joint environment. The U.S. Navy is employing EPLRS as part of it's KSG-1 program. This functionality will support Marine Forces during amphibious operations. The Air National Guard is employing EPLRS in all their Block III F-16's for data and situational awareness distribution.

The primary EPLRS system components are a Net Control Station (NCS) and Enhanced PLRS User Units (EPU). The NCS provides control, timing, monitor and crptographic variable generation and update for the EPLRS network.

US Army Milestone III: Feb 97 US Army contract award: Dec 97

Exhibit P-5, Weapon		Appropriation/ Bud					m Nomenclature:			Weapon System	Гуре:	Date:	
WPN SYST Cost Analysis		Procurement		rps (1109) / Comn		ENHANG		G LOCATOR REP	ORTING			Febr	uary 2000
<u> </u>	Т			Equipment (4) / 03	32		SYSTEM	(A44633)				L	
Weapon System	ID	T / 10	FY 98	11.70	T / 10	FY 99	11.70	T . 10	FY 00	11.70	T / 10	FY 01	11.70
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
EPLRS RADIO													
EPLRS Net Control Station					3520	8	440000						
EPLRS Radio Sets					1690		25606		300	22500			
EPLRS Upgrade Kits								4202	764	5500			
ravel					75			75			58		
Program Support					490			648			200		
Fielding								760			340		
New Equipment Training					210			710			456		
Manuals and Instructions					465			400			25		
ntegrated Logistics Support					225								
EPLRS Ancillaries					2091			626					
nstallation Kits					1400			300					
Special Purpose Test Equipment					550			115					
OTAL					10716			14586			1079		
ACTIVE					9616			14586			1079		
RESERVE					1100								
												1	

E	xhibit P-5a, Budget Procuremer	nt History a	and Planning					Date:	February 2	2000
Appropriation / Budget Activity/Serial No:		Weapon Syst			P-1 Line Item	Nomenclature	e:			
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 032	Electronic						EPLRS RADIO (A4	4633)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$	7 (VGIII)	Avail	Buio
FY99 EPLRS RADIO SETS EPLRS NET CONTROL STATION	RAYTHEON FOREST, MI. RAYTHEON FOREST, MI.	FFP FFP	CECOM FT MONMONTH CECOM FT MONMONTH	May-99 May-99	Oct-00 Jun-00	66 8	25606 440000	YES YES	YES YES	N/A NA
FY 00 EPLRS RADIO SETS	RAYTHEON FOREST MI	FFP	CECOM FT MONMONTH	May-00	Oct-00	300	22500	YES	YES	N/A
REMARKS:		l								

Exhibit P-20, Requ	uiromente Study	Approriation/Budget A	Activity/Serial No:				Date:		
Exhibit F-20, Keqt	direfficits Study	E	NHANCED POSITION	LOCATION REPORT	ING SYSTEM (A446	33)		February 2000	
P-1 Line Item Nomenclature (Include	de DODIC for Ammunition Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
	RADIO SYSTEMS (P44445)			3	Months			12	Months
EPLRS NET CONTROL	S STATION	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			8						
Unit Cost			440.0						
Total Cost			3520.0						
Asset Dynamics									
Beginning Asset Posit	ion	2	2	2	3	10	10	10	10
Deliveries from:	FY 1999 Funding			6	2	2			
Deliveries from:	FY 2000 Funding								
Deliveries from:	FY 2001 Funding								
Deliveries from Subse	quent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements	s/Attritions								
End of Year Asset Pos	sition	2	2	8	10	10	10	10	10
Inventory Objective or Cu	irrent Authorized Allowance								
Inventory Objective	Actual Training	Other tha	n Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
10	Expenditures	Us	age	(Vehicle	s/Other)	for Replacemen		TOAI	
Assets Rqd for	98 thru	98 thru	Ĭ	98 thru	,	<u> </u>		PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						_		Storage	

Remarks: TOTAL COST DOES NOT INCLUDE SUPPORT COST.

Exhibit P-20, Requ	iromonte Study	Approriation/Budget	Activity/Serial No:				Date:		
		E	NHANCED POSITION		TING SYSTEM (A446	33)		February 2000	
P-1 Line Item Nomenclature (Include	e DODIC for Ammunition Items):		Admin Leadtime (after	Oct 1):			Prod Leadtime:		
	RADIO SYSTEMS (P44445)			3	Months			12	Months
EPLRS RADIO SETS		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			66	300					
Unit Cost			25.6	22.5					
Total Cost			1690.0	6750.0					
Asset Dynamics									
Beginning Asset Position	on			764	764	1130	1130	1130	1130
Deliveries from:	FY 1999 Funding				66				
Deliveries from:	FY 2000 Funding				300				
Deliveries from:	FY 2001 Funding								
Deliveries from Subseq	uent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	Attritions								
End of Year Asset Posi	tion			764	1130	1130	1130	1130	1130
Inventory Objective or Cur	rent Authorized Allowance								
Inventory Objective	Actual Training	Other that	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
1187	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	98 thru	98 thru		98 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	<del></del>
Total:		·	_					Storage	

Remarks: TOTAL COST DOES NOT INCLUDE SUPPORT COST.

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EPLRS RADIOS	1	FY99	Α	962	0	962											А														962
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EPL	RS RADIO SETS																															
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		1	FY00	MC	300	0	300	75	75	75	75																					
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EPLRS RADIO SETS																															
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	1	FY00	MC	300	300																				-						
EPLRS CONTROL STATION	2	FY99	МС	8	8																										
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М		PF	ODUCTI	ON RATES			М	FR	C	IN	ь	K		ADN	MIN L	EAD 1	IME			MFR	1		TOTA	AL.		EMAF			G		
F NAME / LOCATION		MIN.	1	-8-5	MAX.	REACHED D+	.,	mber 1	INITI	AL		1	Pr	ior 1 C	Oct.	Af	ter 1 C	Oct.	Aft	ter 1 (		A	fter 1		1						
1 RAYTHEON FOREST MS		20		200	300		<u> </u>		REO!	RDER		2								10											
2 RAYTHEON FOREST, MS		1		5	8				REO	RDER	!	2					3			10			13								
<u> </u>									INITI	AL RDER															-						
									INITI	AL																					
										RDER																					
<del>                                     </del>					<del>                                     </del>				INITI/ REO	AL RDER															-						

	_					Date:				
	Exhibit P-40, Budget	tem Justific	cation Shee	t				February 2000		
Appropriation / Budget Activity/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (1109) / C	ommunications and Electronic Equipment (	4) / 032				HIGH FREC	QUENCY (HF) RADI	OS (A48XXX)		
Program Elements for Code B Items:		Code:	Other Related Pro	gram Elements:						
		А								
		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty			306							306
Gross Cost			5.8	0.4						6.2
Less PY Adv Proc										
Plus CY Adv Proc										
Net Proc (P-1)			5.8	0.4						6.2
Initial Spares										
Total Proc Cost			5.8	0.4						6.2
Flyaway U/C										
Wpn Sys Proc U/C										
Manpack (HF) radios utilize the digital voice, automatic link essquelch, and improved power technology. This radio meets the radio nets. The automatic link a dual function capability. The Note that 46 AN/PRC-138 well.	tablishment (ALE), freque management. Current lon the fundamental requirem c establishment alleviates e compact and lightweight	ency hopping g haul capal ents of com manpower i characteris	g, multi-wave pilities rely or munication the ntensive HF tics are an in	form modem n radios that hrough incre managemen	s (serial ton are aged, vo ased reliabil it. The flexib	ie, 39 tone, a ery heavy ar lity, speed, a pility to comr	and FSK), er nd do not pro ind flexibility nunicate in b	mbedded Co ovide the ca over long ha ooth UHF ar	DMSEC, active pabilities of control of control of control of control of the contr	ve current HF channel

Exhibit P-5, Weapon		Appropriation/ Bud	dget Activity/	Serial No:		P-1 Line Ite	m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		Procurement	, Marine Co Electronic E	rps (1109) / Comr Equipment (4) / 03	nunications and	HIGH	H FREQUENCY (I	HF) RADIOS (A48)	(XX)			Febi	ruary 2000
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCo
COST ENGINEER		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
High Frequency (HF) Radios								5661	306	18500			
Training Fravel Fielding								42 35 75			50 338		
TOTAL ACTIVE RESERVE								5813 5813			388 388		

	P-5a, Budget Procurement								February 2	2000
Appropriation / Budget Activity/Serial No: Procurement, Marine Corps (1109) / Communications and Electronic		Weapon Syst	em Type:		P-1 Line Item					
Equipment (4) / 032						HIGH FRE	EQUENCY (HF) RA			
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Is:
iscal Years		and Type			Delivery	Each	\$		Avail	
ligh Frequency RADIOS	HARRIO CORF, ROCHESTER,									
Y 00	NV	FFP	SOCOM	Jul-00	Nov-00	306	18500	YES	YES	N/A
REMARKS:	•	•	•				•			

Evhibit D_20 Da	equirements Study	Approriation/Budget A	Activity/Serial No:				Date:		
EXHIBIT F-20, No	equirements Study	Procureme	ent, Marine Corps (110	9) / Communications a	nd Electronic Equipme	nt (4) / 032		February 2000	
P-1 Line Item Nomenclature (I	nclude DODIC for Ammunition Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
RAI	DIO SYSTEMS (P44445)	HF Radios		3	Months			12	Months
MANPACK HF RADIO	os	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				306					
Unit Cost				18.5					
Total Cost				5813.0					
Asset Dynamics									
Beginning Asset Po	osition	46	46	46	46	352	352	352	352
Deliveries from:	FY 1999 Funding								
Deliveries from:	FY 2000 Funding				306				
Deliveries from:	FY 2001 Funding								
Deliveries from Sul	bsequent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retireme	ents/Attritions								
End of Year Asset	Position	46	46	46	352	352	352	352	352
Inventory Objective or	Current Authorized Allowance								
Inventory Objecti	ve Actual Training	Other tha	n Training	Disp	osals	Vehicles Eligible	)	Aircraft:	
352	Expenditures	Us	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	98 thru	98 thru		98 thru	·			PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	·
Total:					_			Storage	

Remarks: 46units were procured in FY 98 under BLI 474700 Intelligence Support Equipment under Portable Radios program.

FY 00 / 01 BUDGET PROD	UC	TION SC	HEDI	II F			P-1 II	tem No	menc	:lature:		1 FRF	OLIEN	JCY (I	HE) R	۵۵۱۵۶	S (A48	XXX)					Date	ı:			Febr	uary 2	າດດ		
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	М		S	QTY	PRIOR	DUE							-	Cale	nda	r Ye	ar 00	)						С	alen	dar `	Year	01			Α
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COST ELEMENTS	R		R V		1 OCT	1 OCT	T	0 V	E C	A N	E B	A R	R	A Y	U N	U L	G	P	O C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
High Frequency Radios	1	FY 00	MC	306	0	306										Α				40	40	40	40	40	40	40	26				
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М		PF	ODUCTI	ON RATES			M	FR						ADI	MIN LI	EAD T	IME			MFR			TOTA	Ĺ		EMAR					
F						REACHED					-		Pri	ior 1 C	Oct.	Af	ter 1 C	Oct.	Aft	er 1 C	Oct.	A	fter 1 (		-						
R NAME / LOCATION		MIN. 25		-8-5 60	MAX. 140	D+	. '		INITIA	AL RDER		1					9			3			12		-						
1 Harris Corp., Rochester, NY		20		00	140				INITIA			$\vdash$																			
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									REO	RDER																					

Appropriation / Budget Activity/Serial No:					P-1 Item Nomenclat	ure:					
Procurement, Marine Corps	1109) / Communications and E	Electronic Equipment (	4) / 032				GLOBAL BR	OADCAST SERVIC	E TERMINAL		
Program Elements for Code B Items:			Code:	Other Related Progr	ram Elements:						
		<u> </u>	В	<u> </u>						1 1	
	<u> </u>		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty				79	0.7						79
Gross Cost				12.0	0.7						12.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				12.0	0.7						12.7
nitial Spares											
Total Proc Cost				12.0	0.7						12.7
Flyaway U/C											
Wpn Sys Proc U/C											
The GBS Receive S receive and disseminate message traffic, joint an of a SATCOM receiver, versions; a Transportab the ability to be quickly to	Global broadcasts d service-unique n Router, Crypto, lov e Ground Receive	s of standard lews, Classifi w end proces Suite (TGRs	products su ed and Uncl sor, cabling, ) and a Fixe	ich as UAV V assified video 18" SATCOM d Ground Re	ideo, Classito, and moral Mantenna, a Ceive Suite (	ied and Und e welfare and Ind Transpor (FGRS). Th	classified inte d recreation rtation Case e TGRS will	elligence info (MWR) pro s. The GBS be package	ormation, we gramming. Receive So d in transpo	eather, theate The suite will uite will come rt cases and	r consist in two will have

					P-1 Line Ite	m Nomenclature:			Weapon System	Гуре:	Date:	2005
	Procurement				GLO	BAL BROADCAS	T SERVICE TERM	INAL			Febi	ruary 2000
ID		FY 98			FY 99			FY 00			FY 01	
CD												UnitCos
	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
							11935	79	151076			
										456		
										58		
							10			20		
							66			125		
							12011 10442 1569			659 659		
	ID	Procuremen	Procurement, Marine Co   Electronic I   ID	ID   FY 98   CD   TotalCost   Qty   UnitCost	Procurement, Marine Corps (1109) / Communications and   Electronic Equipment (4) / 029     ID     FY 98	Procurement, Marine Corps (1109) / Communications and   GLOE	Procurement, Marine Corps (1109) / Communications and   GLOBAL BROADCAS	Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029	Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029    D	Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029   STY 99   STY 00	Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029   Style="text-align: left;"   Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 029   GLOBAL BROADCAST SERVICE TERMINAL   February	

	xhibit P-5a, Budget Procureme								February 2	2000
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 032	Electronic					GLOBAL B	ROADCAST SERV	ICE TERI	MINAL	
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Is Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
Global Broadcast Service Terminal										
=Y00	Raytheon El Segundo, CA	FFP	Los Angeles AFB	Jan-00	Jan-01	79	151076	Yes	Yes	N/A
REMARKS:										<u> </u>
REWARRS.										

Exhibit P-20, Requi	iromonte Study	Approriation/Budget	Activity/Serial No:				Date:		
<u> </u>		Procurem		109) / Communications ar	nd Electronic Equipme	nt (4) / 032		February 2000	
P-1 Line Item Nomenclature (Include	e DODIC for Ammunition Items):		Admin Leadtime (af	ter Oct 1):			Prod Leadtime:		
RADIO S'	YSTEMS (P44445)	GBS		3	Months			12	Months
GBS		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				79					
Unit Cost				152.0					
Total Cost				12011.0					
Asset Dynamics									
Beginning Asset Position	on					79	79	79	79
Deliveries from:	FY 1999 Funding								
Deliveries from:	FY 2000 Funding				79				
Deliveries from:	FY 2001 Funding								
Deliveries from Subseq	uent Years Funds								
Other Gains									
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	Attritions								
End of Year Asset Posi	tion				79	79	79	79	79
Inventory Objective or Curi	rent Authorized Allowance			0					
Inventory Objective	Actual Training	Other th	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
105	Expenditures	U	sage	(Vehicle	s/Other)	for Replacemen		TOAI	
Assets Rqd for	98 thru	98 thru	T	98 thru	,			PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Remarks: Unit cost includes support costs.

FY 00 / 01 BUDGET PROI	DUC	TION SC	HEDI	ULE			P-1 II	tem No	menc			BAL B	ROAE	DCAST	T SER	RVICE	TERI	MINAL					Date	Y:			Febr	uary 2	000		
				PROC	ACCEP.	BAL					Fis	cal \	Year	. 00									Fis	scal	Yea	r 01		-			L
	М		S	QTY	PRIOR	DUE								Cale		_	_										Year	01			Α
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COST ELEMENTS	IX.		V		1 001	1 001	Т	0 V	C	A N	В	R	R	A Y	N	L	G	P	O C T	V	C	A N	В	A R	R	Y	N	L	G	P	R
GBS	1	00	MC	79	0	79				Α												9	9	9	9	9	9	9	9	7	
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		PF	RODUCTI	ON RATES			MI	FR						ADN	MIN L	EAD	TIME			MFR			TOTA	L	R	EMAF	RKS				
М																															
F						REACHED	Nun	mber					Pri	ior 1 C	Oct.	A	fter 1	Oct.	Af	ter 1 (	Oct.	Af	fter 1 (	Oct.							
R NAME / LOCATION		MIN.		-8-5	MAX.	D +		1	INITIA			1					3			12			15								
1 Raytheon El Segunda, CA		16		25	40					RDER						Щ									4						
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	Exhibit	P-40, Budget	ltem Justific	cation Sheet	:		Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Mar	ine Corps (1109) / Communications ar	nd Electronic Equipment (	(4) / 030			CC	DMMUNICATIONS S	WITCHING AND C	ONTROL SYS (P44	446)	
Program Elements for Code B I	tems:		Code:	Other Related Prog	ram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	57.1		62.0	62.0	3.2						184.3
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	57.1		62.0	62.0	3.2	0.0	0.0	0.0	0.0		184.3
Initial Spares	10.1		0.4		0.1	1.4	1.9	0.3	0.8		15.0
Total Proc Cost	67.2		62.4	62.0	3.3	1.4	1.9	0.3	0.8		199.3
Flyaway U/C											
Wpn Sys Proc U/C											

This is a roll-up line which contains the following programs:

UNIT LEVEL CIRCUIT SWITCH (ULCS) - A family of Tri-Service Tactical Communications digital voice and data equipment consisting of AN/TTC-42 (280 Line), and various digital telephones and multiplexers that provide an automatic telephone capability to the field.

TACTICAL DATA NETWORK (TDN) - Provide the Marine Corps with a complete, integrated data network, forming the communication backbone for Marine Air Ground Task Force (MAGTF) tactical data systems and Defense Mapping System. This system will also provide file transfer services, electronic message handling and routing of digital messages between the Local Area Network (LAN), the circuit switched network, and the single channel radio network.

DIGITAL TECH CONTROL (DTC) - Facilitates the installation, operation, restoration, and management of individual circuits and digital links consisting of many multiplexed circuits. It provides the primary interface between subscriber systems/networks within a local area and long-haul multichannel transmission systems to transport voice, message, data, and imagery traffic.

DEFENSE MESSAGE SYSTEM (DMS) - A DOD-wide program to integrate Automatic Digital Network (AUTODIN) and E-mail into a single, secure DoD message communications system. It will expand writer-to-reader connectivity, support, and message security services.

										Date:				
		Exh	ibit P-40a	, Budget	Item Jus	tification	for Aggr	egated It	ems			February 2000	)	
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement, Marine Corp									COMMUI	NICATIONS SW	TITCHING AND	CONTROL SYS	S (P44446)	
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
UNIT LEVEL CIRCUIT SWITCH	Α	D				2.9								2.9
TACTICAL DATA NETWORK (TDN)	A	Q D				34.2	21.2	0.0	0.0	0.0	0.0	0.0		0 55.5
TACTICAL DATA NETWORK (TDN)	A	Q				34.2	21.2	0.0	0.0	0.0	0.0	0.0		0
DIGITAL TECHNICAL CONTROL (DTC)	А	D				18.1	33.5	0.0	0.0	0.0	0.0	0.0		51.5
		Q						2.0						0
DEFENSE MESSAGE SYSTEM (DMS)	А	D				6.8	7.3	3.2						17.2
		Q												0
														0
														0
														0
														0
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WPN SYST Cost Analysis  Weapon System Cost Elements  UNIT LEVEL CIRCUIT SWITCH (ULCS) TACTICAL DATA NETWORK (TDN) DIGITAL TECHNICAL CONTROL (DTC) DEFENSE MESSAGE SYSTEM (DMS)	ID CD A A A	TotalCost \$000	Qty Each	Equipment (4) / 03 UnitCost	ou	FY 99	(1744	446)				l	
Cost Elements  UNIT LEVEL CIRCUIT SWITCH (ULCS) TACTICAL DATA NETWORK (TDN) DIGITAL TECHNICAL CONTROL (DTC)	A A A		,	UnitCost					FY 00			EV 04	
UNIT LEVEL CIRCUIT SWITCH (ULCS) TACTICAL DATA NETWORK (TDN) DIGITAL TECHNICAL CONTROL (DTC)	A A A		,		TotalCost		LlmitC a at	TatalCast		LlaitCaat	TatalCast	FY 01	LlaitCaa
TACTICAL DATA NETWORK (TDN) DIGITAL TECHNICAL CONTROL (DTC)	A A	\$000				Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
FACTICAL DATA NETWORK (TDN) DIGITAL TECHNICAL CONTROL (DTC)	A A		Eacii	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DIGITAL TECHNICAL CONTROL (DTC)	Α				2943			24220					
					34241			21238					
DEFENSE MESSAGE SYSTEM (DMS)					18066			33454					
	$\sim$				6786			7303			3152		
TOTAL ACTIVE					62036 55210			61995 48195			3152 2925		
RESERVE					6826			13800			227		

	Exhib	it P-40, Budget	Item Justifi	cation Shee	t		Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:	•				
Procurement, Mar	ine Corps (1109) / Communication	s and Electronic Equipment	(4) / 030				TACTICAL D	ATA NETWORK (T	DN) (A44239)		
Program Elements for Code B I	tems:		Code:	Other Related Prog	gram Elements:						
			Α								
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	8 199		10 228	13 20							
Gross Cost	24.7		34.2	21.2							80.2
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	24.7		34.2	21.2	0.0	0.0	0.0	0.0	0.0		80.2
Initial Spares						1.3	1.9	0.3	0.8		4.2
Total Proc Cost	24.7		34.2	21.2		1.3	1.9	0.3	0.8		84.4
Flyaway U/C											
Wpn Sys Proc U/C											
The Tactical Data	Network (TDN) will r	rovide the Marin	e Corps with	a complete	integrated o	lata network	forming the	communica	tion		

The Tactical Data Network (TDN) will provide the Marine Corps with a complete, integrated data network, forming the communication backbone for Marine Air Ground Task Force (MAGTF) tactical data systems and Defense Mapping System. The TDN consists of two major components: the TDN Gateway and the TDN Server. Both will provide file transfer services, electronic message handling and routing of digital messages between the Local Area Network (LAN), the circuit switched network, and the single channel radio network. In addition, the TDN Gateways will be in an S-788 shelter, mounted on a H-HMMWV for mobility. It will be fielded to the Marine Expeditionary Forces (MEF) headquarters and to the Major Subordinate Commands (MSC's). The TDN Server will be in transit cases and will be man portable. It will be fielded down to the battalion/squadron level.

Exhibit P-5, Weapon		Appropriation/ Bu	-				m Nomenclature:			Weapon System	Туре:	Date:	
WPN SYST Cost Analysis		Procuremen		rps (1109) / Comn Equipment (4) / 03		TACT	TICAL DATA NETV	VORK (TDN) (A4-	4239)			Febi	ruary 2000
Weapon System	ID					FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TDN GATEWAY/SHELTER	Α				4279		427900	5562	13	427846			
TDN SERVER	Α				17014	228	74623	1492	20	74600			
0					504			504					
Contractor Support Factory Training (I&KP)					591 525			594 368					
Fechnical Manuals					750			300					
Logistics Support					1407			732					
Travel					250			250					
ECP's*					8925			11040					
Certification					0020			700					
Fielding Support (Depot)					500			500					
riciality Support (Dopot)													
TOTAL					34241			21238					
Active					27415			18890					
Reserve					6826	0		2348	0				
Gateways					856 5070			856 1492	2 20				
Servers					5970	80		1492	20				
* ECPs FY00 funds of \$11,040 finances													
the FY01 effort.													
			1	1									

Avail   TDN GATEWAY/SHELTER   GTE, TAUNTON, MASS   C/FFP   MARCORSYSCOM CTQ   Jan-99   Apr-00   8   427900   Y   Oct 98   FY 99   GTE, TAUNTON, MASS   C/FFP   MARCORSYSCOM CTQ   Jan-99   Aug-00   10   427900   Y   Oct 98   Oct			M 04	T		D 4 1 1 1	N 1.				
Contract   Contract   Method   Award Date   Date of First   QTY   Unit Cost   Revsn   Avail   Part	Procurement, Marine Corps (1109) / Communications and	d Electronic	weapon Syst	em rype:		P-1 Line Item			(TDN) (A	44239)	
Method and Type	Equipment (4) / 030		0		1		171011071	DATAMETWORK			RFP Iss
TDN GATEWAY/SHELTER  FY 98  GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Apr-00 8 427900 Y Oct 98 FY 99 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Jan-01 13 427846 Y Oct 98 FY 98 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Dot-99 Jan-01 13 427846 Y Oct 98 FY 98 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Apr-00 199 74623 Y Oct 98 FY 99 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Jan-01 228 74623 Y Oct 98		Contractor and Location	Method	Location of PCO	Award Date					Revsn	Date
FY 98 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Apr-00 8 427900 Y Oct 98 FY 99 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Aug-00 10 427900 Y Oct 98 FY 00 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Oct-99 Jan-01 13 427846 Y Oct 98 FY 98 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Apr-00 199 74623 Y Oct 98 FY 99 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Jan-01 228 74623 Y Oct 98			and Type			Delivery	Each	\$		Avail	
FY 99   GTE, TAUNTON, MASS   C/FFP   MARCORSYSCOM CTQ   Jan-99   Aug-00   10   427900   Y   Oct 98   C/FFP   MARCORSYSCOM CTQ   Oct-99   Jan-01   13   427846   Y   Oct 98   C/FFP   MARCORSYSCOM CTQ   Jan-99   Apr-00   199   74623   Y   Oct 98   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   C/FFP   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   C/FFP   C/FFP   MARCORSYSCOM CTQ   Jan-99   Jan-01   228   74623   Y   Oct 98   C/FFP   C											
FY 00 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Oct-99 Jan-01 13 427846 Y Oct 98  TDN SERVER FY 98 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Apr-00 199 74623 Y Oct 98  FY 99 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Jan-01 228 74623 Y Oct 98	Y 98	GTE, TAUNTON, MASS	C/FFP	MARCORSYSCOM CTQ			8	427900	Υ	Oct 98	Jun-9
FY 00 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Oct-99 Jan-01 13 427846 Y Oct 98  TDN SERVER FY 98 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Apr-00 199 74623 Y Oct 98  FY 99 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Jan-01 228 74623 Y Oct 98	Y 99	GTE, TAUNTON, MASS	C/FFP	MARCORSYSCOM CTQ	Jan-99	Aug-00	10	427900	Υ	Oct 98	Jun-9
FY 98 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Apr-00 199 74623 Y Oct 98 FY 99 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Jan-01 228 74623 Y Oct 98	Y 00		C/FFP	MARCORSYSCOM CTQ			13			Oct 98	
FY 98 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Apr-00 199 74623 Y Oct 98 FY 99 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Jan-01 228 74623 Y Oct 98	DN SERVER										
FY 99 GTE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ Jan-99 Jan-01 228 74623 Y Oct 98		GTE TAUNTON MASS	C/FFP	MARCORSYSCOM CTO	Jan-99	Apr-00	199	74623	Υ	Oct 98	.lun-0
GIE, TAUNTON, MASS C/FFP MARCORSYSCOM CTQ OCT-99 Jan-02 20 74600 Y OCT-99											

Exhibit P-20, Requireme	nte Study	Approriation/Budget	Activity/Serial No:				Date:		
Exhibit F-20, Requireme	ilis Study	Procurem	ent, Marine Corps (110	9) / Communications ar	nd Electronic Equipme	nt (4) / 030		February 2000	
P-1 Line Item Nomenclature (Include DODIC f	for Ammunition Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
COMMUNICATIONS SWITCH	HING AND CONTROL SYSTEMS	P44446)		3	Months			15	Months
TDN GATEWAY/SHELTER		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			10	13					
Unit Cost			3424.1	1633.7					
Total Cost			34241.0	21238.0					
Asset Dynamics									
Beginning Asset Position					12	31	31	31	31
Deliveries from: FY	1999 Funding			4	6				
Deliveries from: FY	2000 Funding				13				
Deliveries from: FY	2001 Funding								
Deliveries from Subsequent Ye	ears Funds								
Other Gains FY	1998 Funding			8					
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/Attrition	ns								
End of Year Asset Position				12	31	31	31	31	31
Inventory Objective or Current Au	thorized Allowance								
Inventory Objective	Actual Training	Other that	an Training	Dispo	sals	Vehicles Eligible	)	Aircraft:	
31	Expenditures	Us	sage	(Vehicle:	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for 98	thru	98 thru		98 thru	•			PAA:	
Combat Loads: FY	XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt: FY	XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline: FY	XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other: FY	XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:						=		Storage	

Remarks: Total cost includes support costs.

Exhibit P-20, Requi	iromonte Study	Approriation/Budget	Activity/Serial No:				Date:		
Exhibit F-20, Requi	irements Study	Procuren	nent, Marine Corps (110	9) / Communications ar	nd Electronic Equipme	nt (4) / 030		February 2000	
P-1 Line Item Nomenclature (Include	DODIC for Ammunition Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
COMMUNICATIONS	SWITCHING AND CONTROL SY	'STEMS (P44446)		3	Months			12	Months
TDN SERVER		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			228	20					
Unit Cost			74.6	74.6					
Total Cost			17014.0	1492.0					
Asset Dynamics									
Beginning Asset Position	n				120	360	447	447	447
Deliveries from:	FY 1999 Funding				161	67			
Deliveries from:	FY 2000 Funding					20			
Deliveries from:	FY 2001 Funding								
Deliveries from Subseq	uent Years Funds								
Other Gains	FY 1998 Funding			120	79				
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retirements/	Attritions								
End of Year Asset Posi	tion			120	360	447	447	447	447
Inventory Objective or Curi	rent Authorized Allowance								
Inventory Objective	Actual Training	a Other th	an Training	Dispo	osals	Vehicles Eligible	9	Aircraft:	
447	Expenditures		sage	(Vehicle		for Replacemen		TOAI	
Assets Rgd for	98 thru	98 thru		98 thru	,			PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX			•	Inactive Inv	
Total:	·	•				•		Storage	

Remarks: Total cost does not include support costs.

FY 00 / 01 BUDGET PROD	) IIC	TION SC	HEDI	II F			P-1 II	tem No	menc	lature:		CTIC	AL DA	TA NE	TWO	PK (T	DN) /	۵۸۸۵۰	30)				Date				Eghr	uary 20	200		
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	Exhibit	t P-40, Budget I	Item Justific	cation Shee	t		Date:		February 2000		
Appropriation / Budget Activity/Se	erial No:				P-1 Item Nomenclar	ture:					
Procurement, Mari	ine Corps (1109) / Communications a	and Electronic Equipment (	(4) / 030				DIGITAL TECH	HNICAL CONTROL (	(DTC) (A44241)		ļ
Program Elements for Code B Ite	.ems:		Code:	Other Related Prog	ram Elements:						
			Α								
	PRIOR YEARS		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty	8		9	13							30
Gross Cost	11.3		18.1	33.5							62.9
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	11.3		18.1	33.5							62.9
Initial Spares						0.1	0.1				0.2
Total Proc Cost	11.3		18.1	33.5		0.1	0.1				63.1
Flyaway U/C											
Wpn Sys Proc U/C											

The Digital Technical Control (DTC) facilitates the installation, operation, restoration, and management of individual circuits and digital links consisting of many multiplexed circuits. It provides the primary interface between subscriber systems/networks within a local area and long-haul multichannel transmission systems to transport voice, message, data, and imagery traffic. It can add, drop and insert digital circuits into multiplexed groups; provide a source of stable timing to connected equipment; condition circuits; and perform analog/digital, 2-wire, and signalling conversions. It contains the monitoring, testing, and patching equipment required by technical controllers to troubleshoot and restore faulty circuits and links.

\*\*\*Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). Policy is in accordance with CMC-C4I Green Letter No. 5-98 dated 11 JUN 98. The following amounts are for this project:

Workstations FY00 Qty 64 Amt 0.750

Exhibit P-5, Weapon		Appropriation/ Bu					m Nomenclature:	NITROL (DTC) (A	44044)	Weapon System	l ype:	Date:	
WPN SYST Cost Analysis		Procurement		rps (1109) / Comn Equipment (4) / 03		DIGITAL	L TECHNICAL CC	ONTROL (DTC) (A	44241)			Febi	ruary 2000
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
DIGITAL TECHNICAL CONTROL AN/TSQ-XXX	Α				15236	9	1692829	21747	13	1672846			
SUPPORT COSTS Engineering Logistics Support Factory Training (I&KP) Technical Manuals					598 675 403 384			500 500					
Training (NET) Certification Fielding Support								600 450 575					
TAD					250			250					
ECP								8312					
Contractor Support					520			520					
TOTAL					18066			33454					
Active Reserve					18066			22527 10927					

	t P-5a, Budget Procureme								February 2	2000
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Communications and Electronic	•					DIGITAL TEC	CHNICAL CONTRO	L (DTC)	(A44241)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
DIGITAL TECHNICAL CONTROL AN/TSQ-XXX										
FY98	GTE, TAUNTON, MASS		MCSYSCOM	Jan-99		8	1692829		Oct 98	
FY99	GTE, TAUNTON, MASS		MCSYSCOM	Jan-99	Jun-00	9	1692829		Oct 98	
FY00	GTE, TAUNTON, MASS	C/FFP	MCSYSCOM	Oct-99	Nov-00	13	1672846	Yes	Oct 98	Jun-9
REMARKS:										

Exhibit P-20 Per	quirements Study	Approriation/Budget	Activity/Serial No:				Date:		
•		Procurem	nent, Marine Corps (110		nd Electronic Equipme	nt (4) / 030		February 2000	
P-1 Line Item Nomenclature (Inc	lude DODIC for Ammunition Items):		Admin Leadtime (afte	r Oct 1):			Prod Leadtime:		
COMMUNICATIO	ONS SWITCHING AND CONTROL SY	STEMS (P44446)		3	Months			15	Months
DIGITAL TECH CONTR	ROL	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			9	13					
Unit Cost			2007.3	2631.1					
Total Cost			18066.0	34204.0					
Asset Dynamics									
Beginning Asset Pos	sition				15	30	30	30	30
Deliveries from:	FY 1999 Funding			7	2				
Deliveries from:	FY 2000 Funding				13				
Deliveries from:	FY 2001 Funding								
Deliveries from Subs	equent Years Funds								
Other Gains	FY 1998 Funding			8					
Combat Losses									
Training Losses									
Test Losses									
Other Losses									
Disposals/Retiremen	nts/Attritions								
End of Year Asset P	osition			15	30	30	30	30	30
Inventory Objective or C	Current Authorized Allowance								
Inventory Objective	e Actual Training	Other the	an Training	Disp	osals	Vehicles Eligible	9	Aircraft:	
30	Expenditures	U	sage	(Vehicle	s/Other)	for Replacemen	t	TOAI	
Assets Rqd for	98 thru	98 thru		98 thru				PAA:	
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI	
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res	
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv	
Total:								Storage	· · · · · · · · · · · · · · · · · · ·

## Remarks:

\*\*\*Note: Starting in FY00 total system cost includes funding from BLI 463000 (CCR) in the amounts identified on the P-40 for this project.

FY 00 / 01 BUDGET PRO	חור	TION SC	HEDI	II F			P-1 I	tem No	omeno	clature		ΤΔΙ Τ	TECH!	NICAI	CON	TROL	(DTC	:) (ΔΔ,	1241\				Date	i:			Febr	uary 20	200		
11 007 01 BOBGETTRO	T	1	, ILD	PROC	ACCEP.	BAL							Year		CON	TROL	. (D10	·) (/	1241)				Fis	scal	Yea	r 99	I GDI	uai y Z	J00	-1	L
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DIGITAL TECHNICAL CONTROL AN/TSQ-XXX																															
	1	FY 99	MC	9	0	9																Α									9
	1	FY 00	MC	13	0	13																									13
	_						0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D E	J	F	М	Α	М	J	J	Α	S	
							C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E	A N	E B	A R	P R	Α	U N	U L	U G	E P	
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FY 00 / 01 BUDGET PRO	DUC	TION SC	HEDI	IIF			P-1 I	tem No	menc	lature		ΤΔΙ Τ	ECHN	NICAL	CON	TROI	(DTC	) (Δ4/	1241)				Date	i:			Febr	uary 2	000		
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	М		S	QTY	PRIOR	DUE								Cale	nda	r Yea	ar 00							C	alen		Year	01			Α
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COST ELEMENTS	K		V		1 001	1 001	Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	٧	C	N	E B	R	R	Y	N	L	G	Р	R
DIGITAL TECHNICAL CONTROL AN/TSQ-XXX																															
	1	FY 99	MC	9	0	9									1	2	2	2	2												
	1	FY 00	MC	13	0	13	Α													2	2	2	2	2	2	1					
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	Exhibit	P-40, Budget I	tem Justific	cation Sheet	:		Date:		February 2000		
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:	-				
Procurement, Mari	ine Corps (1109) / Communications an	d Electronic Equipment (	4) / 030				DEFENSE ME	SSAGE SYSTEM (	DMS) (A44402)		
Program Elements for Code B It	tems:		Code:	Other Related Prog	ram Elements:						
			А								
	PRIOR YEARS		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	15.5		6.8	7.3	3.2						32.8
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	15.5		6.8	7.3	3.2						32.8
Initial Spares					0.1						0.1
Total Proc Cost	15.5		6.8	7.3	3.3						32.9
Flyaway U/C											
Wpn Sys Proc U/C											

DMS is DOD-wide program to integrate Automatic Digital Network (AUTODIN) and E-mail into a single, secure DoD message communications system. DMS will expand writer-to-reader connectivity, support, and message security services. Organizations and individuals will be able to create, edit, send, receive, read, and process organizational and individual messages, secured with end-to-end protection, direct from desktop terminals/personal computers in their workspaces.

Essentially, DMS will encompass the Marine Corps' current Banyan E-mail and AUTODIN systems as well as the following additional capabilities:

- \*\* Connectivity to all users in DoD
- \*\* Secure networking of classification (UNCLASS, SECRET, TS, SIC)
- \*\* Ability to send organizational messages from the desktop terminals/personal computers in their workspaces.

\*\*\*Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). Policy is in accordance with CMC C4I Green Letter No. 5-98 dated 11 Jun 98. The following amounts are for this project:

FY01 FY02 FY03 FY04 FY05

Workstations QTY/\$ 34/0.085

Servers QTY/\$ 223/4.523 272/5.523

.

Exhibit P-5, Weapon		Appropriation/ But Procurement		'Serial No: rps (1109) / Comn	nunications and		m Nomenclature: NSE MESSAGE S	SYSTEM (DMS) (A4	14402)	Weapon System	rype:	Date: Febr	uary 2000
WPN SYST Cost Analysis		110001011011	Electronic E	Equipment (4) / 03			102 1112007102 0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					ua., 2000
Weapon System	ID		FY 98			FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost \$	TotalCost \$000	Qty	UnitCost \$	TotalCost	Qty	UnitCost \$	TotalCost \$000	Qty	UnitCo \$
DMS		\$000	Each	Ф	2260	Each	Ф	\$OOO 5839	Each	Ф	2700	Each	•
TRAVEL					50			50			10		
FACTORY TRAINING					700			500			100		
NETWORK INSTALLATION					1160			689			167		
SITE SURVEYS					130			50					
CONTRACTOR SUPPORT					48			175			175		
NETWORK UPGRADE					2438								
FOTAL Active Reserve					6786 6786			7303 6778 525			3152 2925 227		

	Exhibit	P-40, Budget	Item Justific	cation Sheet	t		Date:		February 2000		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:	<u> </u>				
Procurement, Ma	arine Corps (1109) / Communications	and Electronic Equipment	(4) / 031				COMM/ELE	C INFRASTRUCTU	RE (P44448)		
Program Elements for Code B	Items:		Code:	Other Related Prog	gram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	120.2		114.2	118.5*	80.6	13.6	7.0	5.7	6.8	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	120.2		114.2	118.5	80.6	13.6	7.0	5.7	6.8	Cont	Cont
Initial Spares											
Total Proc Cost	120.2		114.2	118.5	80.6	13.6	7.0	5.7	6.8	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

The Marine Corps Communication/Electronic Infrastructure Support program is an aggregation of inter-related data processing disciplines. The overall objective is to achieve modernization and increase processing capacity, both of which are required to allow continued operation of existing automated information systems and the implementation of new corporate information management (CIM) automated information systems (AIS) to support all functional areas. The Marine Corps has a continuing need to upgrade its computer equipment and system software by replacement or augmentation in order to keep pace with user demands and changing technology.

- 1. BASE TELECOMMUNICATIONS INFRASTRUCTURE: Provides funding for base telephone and transmission systems which are used to transfer voice, data, imagery, etc. aboard Marine Corps bases and stations. These systems also provide users access to worldwide information systems such as the Defense Information Systems Network, the Internet, and various commercial systems. The base telecommunications Infrastructure consists of a fiber optic backbone, multiplexers and high speed transmission equipment capable of supporting any foreseeable bandwidth requirements on demand. Telephone systems will use Integrated Switched Digital Network (ISDN) technology to provide integrated and switched voice, video, and data capability. All base host telephone systems will be upgraded to year 2000 compliance under this program.
- 2. NETWORK INFRASTRUCTURE: The Marine Corps Network Infrastructure program standardizes, upgrades, and replaces key information transfer components located on supporting establishment bases inside support facilities to ensure global connectivity for Marine forces, and support DoD-sponsored and Marine Corpsunique applications. This program focuses on providing local area network (LAN) hardware, software, and internal wiring for buildings on Marine Corps bases. Network infrastructure components include data communication hubs, routers, switches, premise structured wiring, network

<sup>\*</sup> The Funding Level for FY 00 includes a pending reprogramming action that will transfer \$5M to Other Procurement, Navy. This transfer will support USCINCPAC headquarters Command, Control, Communications, Computers, and Intelligence, (C4I) equipment upgrades based at Camp Smith, HI.

Exhibit P-40, Budget Item Justification Sheet		Date: February 2000
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 031		COMM/ELEC INFRASTRUCTURE (P44448)

management tools, remote connectivity software, office automation software, and operating systems software. The Defense Mega-Center (DMC) St. Louis will provide legacy mainframe application system support for the foreseeable future.

- 3. ASSET TRACKING LOGISTICS AND SUPPLY SYSTEM (ATLASS): ATLASS involves the migration of Marine Corps intermediate and consumer level supply and maintenance from a mainframe into in a personal computer application using a networked client-server environment. ATLASS Phase II+ consolidates the total force intermediate and consumer level supply and maintenance information management functions into a single material management system. ATLASS Phase II+ is a client-server based supply maintenance and material readiness AIS that is readily deployable. ATLASS Phase II+ supports any size deployment and retains flexibility to exploit existing commercial and government off-the-shelf software. This system is compliant with MAGTF C4I concept, GCCS COE, and published DOD standards for open systems architecture.
- 4. MAGTF LOGISTICS INFRASTRUCTURE: A family of microcomputers that provide the operating forces the necessary tools to support both deliberate and crisis action situations from initiation and mobilization/deployment through employment in an area of responsibility. MAGTF LOG AIS provides core deployment planning and execution capability. It supports Joint Service efforts (TCAIMS and MDSSII are Joint Migration Systems). It is the key contributor to USMC Total Asset Visibility (barcode and radio frequency technology). Provides key elements of GCCS functionality (MAGTF II feeds into JOPES).
- 5. TACTICAL SYSTEM SUPPORT EQUIPMENT (TSSE): Required equipment and support for the Marine Corps Tactical System Support Activity's effort on Life Cycle Software (LCSS) for tactical systems. Investment items are essential to form the basis of software support for the Marine Corps tactical data systems that are fielded.
- 6. OPTICAL DIGITAL IMAGING (ODI-RMS): Provides the Marine Corps the ability to process, store and retrieve Official Military Personnel Files for all active and reserve Marines in an Optical Digital Imaging (ODI) format. The use of this advanced technology will reduce the current goal of maintaining these records, virtually eliminate their loss and provide multiple users simultaneous access.
- 7. MARFORCND: MARFORCND stands for Marine Forces Computer Network Defense. This is the Marine Corps' part of the Joint Task Force Computer Network Defense, which is comprised of all the Military Services. The MARFORCND's responsibility is to guard against attacks on the Marine Corps' Enterprise Network (MCEN), by any external or internal agent or agency. It is comprised of all of the "G" sections (i.e., G-1 Admin, G-2 Intelligence, through G-8.

		Date:
Exhibit P-40, Budget Item Justification Sheet	:	February 2000
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 031		COMM/ELEC INFRASTRUCTURE (P44448)

plus augmented by a lawyer and NIS). Any virus attack on the network, any probing of the network, any monitoring of the network, any legal or investigative requirements are handled by this section of the MCEN, which we oversee at the NOC.

- 8. PUBLIC KEY INFRASTRUCTURE(PKI): Public Key Infrastructure is a framework of laws, policy, procedures and technologies for the use of digital credentials, which provide confidentiality, integrity, authenticity, and non-repudiation in electronic communications and transactions. PKI allows secure access to IT systems. The ability to electronically sign documents, encrypt messages and documents, and to authenticate and protect Web access.
- 9. SMART CARD: Smart Card technology program is a technology insertion program that includes software application development, business process reengineering, smart cards, computer hardware and telecommunications infrastructure. Identical in size and feel to credit cards, smart cards store information on an integrated microprocessor chip located within the body of the card. These chips hold a variety of information, from stored (monetary)-value used for financial transactions, to secure information and applications for higher-end operations such as medical and personnel records. Smart cards may also contain a magnetic stripe and a standard bar code. Smart Card Technology has applicability across multiple functional areas: operations, readiness, quality of life, security (physical and logical), logistics, finance, and personnel.

\*\*\*Note: Starting in FY00 procurement of all computer workstations and servers are centrally procured under BLI 463000 (CCR). The following amounts are for this project:

	FY00	FY01	FY02	FY03	FY04	FY05
	QTY/\$	QTY/\$	QTY/\$	QTY/\$	QTY/\$	QTY/\$
ATLASS						
Workstations	1208/6.150	640/3.279				
Servers	148/8.628	91/5.209				
ı						

	E	thibit P-40, Bu	udget Item Ju	stification She	eet	Date: February 2000
ppropriation / Budget Activity/Ser	ial No:				P-1 Item Nomenclature:	•
Procurement, Marine	e Corps (1109) / Commun	ications and Electronic E	Equipment (4) / 031			COMM/ELEC INFRASTRUCTURE (P44448)
Tactical System Sup	port Equip (TS	SE)	•	<u>-</u>		
Workstations	8/0.031					
Servers	8/0.162					
Manpower AIS						
Workstations	56/0.140	76/0.190	76/0.190	76/0.190		
Servers	2/0.112	1/0.056				
PRIS						
Workstations		70/0.273				
MARFOR-CND						
Workstations	32/0.221					
Servers	73/1.479					
MAGTF LOG AIS						
Workstations	260/0.651					

Exhibit P-5, Weapon		Appropriation/ Bu					m Nomenclature:			Weapon System	Type:	Date:	
WPN SYST Cost Analysis		() / Comm	unications a	nd Electronic Equipn	nent (4) / X37	COM	MM/ELEC INFRAS	STRUCTURE (P44	448)			Febi	ruary 2000
Weapon System	ID					FY 99			FY 00			FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
BASE TELECOM INFRASTRUCTURE NETWORK INFRASTRUCTURE NATLASS MAGTF LOG AIS "ACTICAL SYSTEM SUPPORT EQUIP DPRIS-ODI-RMS MARFORCND PUBLIC KEY INFRASTUCTURE (PKI) SMARTCARD (OSOVA SUPPLEMENTAL  TOTAL Active Reserve		\$000	Each	\$	\$000 64813 30227 12584 6391 231 114246 114246	Each	\$	\$000 42704 70013 3462 827 775 671 118452 118452	Each	\$	\$000 16052 54072 6394 1047 2957 42 <b>80564</b>		\$

ractor and Location	Contract Method and Type	Location of PCO	Award Date	P-1 Line Item  Date of First  Delivery		EC INFRASTRUCT Unit Cost	URE (P4- Specs Avail?	Date Revsn Avail	RFP Is Dat
ractor and Location	Method	Location of PCO	Award Date					Revsn	
	and Type			Delivery	Each	\$		Avail	
l l									
			Jun-99	Sep-99	VAR	14200	YES	N/A	
			,						
TILLY VA C	C/FFP/O	ARMY OSCAR	May-99	Sep-99	VAR	525	YES	N/A	
TILLY VA	C/FFP	ARMY OSCAR	Jan-00	Apr-00	VAR	1830	YES	N/A	
TILLY VA C	C/FFP/O	ARMY OSCAR	Jan-00	Apr-00	VAR	7046	YES	N/A	
TILLY VA C	C/FFP/O	ARMY OSCAR	Jan-00	Apr-00	VAR	2250	YES	N/A	
TILLY VA C	C/FFP/O	ARMY OSCAR	Jan-00	Apr-00	VAR	4940	YES	N/A	
TILLY VA C	C/FFP/O	ARMY OSCAR	Jan-00	Apr-00	VAR	24704	YES	N/A	
TILLY VA C	C/FFP/O	ARMY OSCAR	Jan-00	Apr-00	VAR	1934	YES	N/A	
TII	2/550/0	4 DANY 000 A D		4 04	\/A.D	2222	\/F0		
-			Jan-01 Jan-01	Apr-01 Apr-01	VAR	9786	YES	N/A N/A	
77777777777	FILLY VA FILLY VA	TILLY VA  TILLY	C/FFP/O C/FFP/	C/FFP/O   ARMY OSCAR   Jun-99   Jun-99   Jun-99   Jun-99   ARMY OSCAR   ARMY OSCAR   Jun-99   Jun-99   ARMY OSCAR   ARMY OSCAR   ARMY OSCAR   ARMY OSCAR   ARMY OSCAR   ARMY OSCAR   ARMY OSCAR   ARMY OSCAR   ARMY OSCAR   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   ARMY OSCAR   Jan-00   Jan-00   ARMY OSCAR   Jan-00   Jan-00   ARMY OSCAR   Jan-00   Jan-00   ARMY OSCAR   Jan-00   Jan-00   ARMY OSCAR   Jan-00   Jan-00   ARMY OSCAR   Jan-00   Jan-00   ARMY OSCAR   Jan-00   Jan-00   ARMY OSCAR   Jan-00   Jan-00   Jan-00   ARMY OSCAR   Jan-00	C/FFP/O   ARMY OSCAR   Jun-99   Sep-99   Jun-99   Sep-99   Jun-99   Sep-99   Jun-99   Sep-99   Sep-99   Sep-99   May-99   /FFP/O   ARMY OSCAR   Jun-99   Sep-99   VAR   ARMY OSCAR   Jun-99   Sep-99   VAR   ARMY OSCAR   Jun-99   Sep-99   VAR   ARMY OSCAR   May-99   Sep-99   VAR   ARMY OSCAR   Jan-00   Apr-00   VAR   APR-00   APR-00   VAR   APR-00   AP	C/FFP/O   ARMY OSCAR   Jun-99   Sep-99   VAR   7500   V	TILLY VA	TILLY VA	

E	Exhibit P-5a, Budget Procureme	nt History and	d Planning					Date:	February 2	2000
Appropriation / Budget Activity/Serial No:	-	Weapon System			P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Communications and Equipment (4) / 031	d Electronic					COMM/EL	EC INFRASTRUC	TURE (P4	4448)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Iss Date
Fiscal Years		and Type			Delivery	Each	\$		Avail	
NETWORK INFRASTRUCTURE										
FY99	VARIOUS	C/FFP	SYSCOM/GSA	Jan-99	Apr-99	VAR	VAR	YES	N/A	
FY00 FY01	VARIOUS VARIOUS	C/FFP C/FFP	SYSCOM/GSA SYSCOM/GSA	Apr-00 Apr-01	Jun-00 Jun-01	VAR VAR		YES YES	NA NA	
										· [
										<u> </u>
REMARKS:										

	Exhibit	P-40, Budget	Item Justifi	cation Shee	t		Date:		February 2000		
Appropriation / Budget Activity	/Serial No:				P-1 Item Nomencla	ture:					
Procurement, Ma	arine Corps (1109) / Communications	and Electronic Equipment	(4) / 035				MODFICA	TION KITS MAGTE (	C4I (P44623)		
Program Elements for Code B	Items:		Code:	Other Related Pro	gram Elements:						
	PRIOR YEAR		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	78.1		33.1	18.5	7.5	38.1	51.3	26.3	11.7	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	78.1		33.1	18.5	7.5	38.1	51.3	26.3	11.7	Cont	Cont
Initial Spares	0.1		7.7	0.8							8.6
Total Proc Cost	78.2		40.8	19.3	7.5	38.1	51.3	26.3	11.7	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Modifications budgeted under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded or to increase operational capabilities of non-telecommunication end items previously fielded.

The COMSEC Cable line is in support of various security systems being fielded including the KY-99 MINTERM, the Electronic Key Management System, the Data Transfer Device, and the STU-III. COMSEC cables will interface with various communication devices to include radios, switches, and computers and will provide secure transmissions at all times.

The AN/TPS-59 funding profile includes radar modifications which improve mean time between failure rates and enhanced performance characteristics. The TPS-59 radar upgrade provides three dimensional long range surveillance and detection against air breathing targets and tactical ballistic missiles. It provides launch/impact point and cueing information to other theater missile defense systems.

		Date:
Exhibit P-40, Budget Item Justification Sheet		February 2000
Appropriation / Budget Activity/Serial No:	P-1 Item Nomenclature:	
Procurement, Marine Corps (1109) / Communications and Electronic Equipment (4) / 035		MODFICATION KITS MAGTF C4I (P44623)

The MEWSS PIP is an Electronic Warfare (EW) suite of equipment configured in the highly mobile, survivable Light Armored Vehicle. The MEWSS-PIP is an evolutionary acquisition program that incorporates a rigorous P3I strategy. This program develops a material change for the current, outdated EW suite. Threat tactical communications have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS-PIP fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and nets at a critical point in the battle. MEWSS-PIP will provide detection, location and demodulation of advanced tactical communications.

The Direct Air Support Central (DASC) Product Improvement Program (PIP) is a non-developmental effort which will incorporate selected automation and existing hardware from the AN/TSQ-155(V), Improved Direct Air Support Central (IDASC), and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat Operations (TCO).

The MRC-142 is an Ultra-High Frequency (UHF) Digital Wideband Transmission System Radio Terminal Set used at the Marine Expeditionary Force, Division, Wing, and Force Service Support Group. It provides medium range, medium capacity, multi-channel trunking required by deployed forces to interconnect the Unit Level Circuit Switch (ULCS). The system is capable of providing up to two separate UHF radio paths in the 1350-1950 MHZ range, using line-of-sight for distances up to 35 miles, for interconnection of digital trunk groups at 144, 288, or 576 Kbps over a maximum of 36 channels. The pre-planned product improvement (PIP) for an uninterrupted power source (UPS) will enable the MRC-142 to maintain reliable communication in the event of external or vehicular power failure. With the Marine Corps moving into the digital battlefield arena, the digital information carried by the MRC-142 will affect more than just this system (depending on the location of the MRC-142, an entire network of operations may be affected).

MOD		
MOD	INSTALLATION AGENT	INSTALLATION

COMSEC CABLES
AN/TPS-59 RADAR MOD (97)
MEWSS-PIP
IDASC PIP
AN/MRC-142

FIELD FIELD LMFEDERAL SYS, OWEGO, NY NAWC, Crane, IN FIELD BEGIN JAN 97/END SEP 06 BEGIN SEP 98/END AUG 99 BEGIN DEC97/END DEC 05 BEGIN MAY 97/END JUN 99 BEGIN AUG99/END AUG 00

		Exh	ibit P-40a	ı, Budget	Item Jus	tification	for Aggr	egated It		Date:		February 2000		
Appropriation / Budget Activity				_				P-1 Item Nome	nclature:			-		
Procurement, Marine C	Corps / Com	municatio	ons and Electroni	c Equipment						MODFICATIO	ON KITS MAGTE	C4I (P44623)		
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
COMSEC CABLES		D				0.8	1.0	1.0	1.0	1.0	1.1	1.1	CONT	CONT
		Q				0.0	7.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
AN/MRC 142 PIP (UPS)		D				0.0	7.3	0.5	0.0	0.0	0.0	0.0	0.0	7.8
		Q												107.5
AN/MLQ-36A (MEWSS)		D Q				21.1	7.9	4.9	33.3	32.8	7.5	0.0	0.0	0.0
AN/TPS-59 ECPs		D D				7.7	1.3	1.1	3.8	17.5	17.7	10.6	0.0	59.7
711711 0 00 201 0		Q				7.7	1.0	1.1	0.0	17.0	17.7	10.0	0.0	0.0
AN/TPS-59 GPA-123 IFF ANTENNAS		D				0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
		Q												0.0
DASC		D				3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
		Q												
														<u> </u>
														<del> </del>
														-
														<del>                                     </del>
														<del>                                     </del>
	1						l	1				1	1	1

WPN SYST Cost Analysis	Appropriation/ Budge	-		Weapon System Type: Date:
Cost Elements			MODFICATION KITS MAGTF C4I (P44623)	February 2000
Cost Elements	on System	Y 98	FY 99 FY 00	FY 01
\$000   Each   \$ \$000   Each   \$ \$ \$000   Each   \$ \$ \$000   Each   \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		Qty UnitCost TotalCost	Qty UnitCost TotalCost Qty	UnitCost TotalCost Qty UnitCos
ANTPS-59 ECP'S ANTPS-59 DASC  MEWSS: SENSOR COSTS (INVESTMENT ITEM) MEWSS: INSTALLATION MEWSS: PRODUCTION ENGR/ECP MEWSS: PRODUCTION ENGR/ECP MEWSS: TRAINING/ILS  SUBTOTAL  AN/MRC-142: (IVPS) AN/MRC-142: INSTALLATION KITS AN/MRC-142: INTEGRATED LOG SUPPORT AN/M		ach \$ \$000	Each \$ \$000 Each	\$ \$000 Each \$
MEWSS: INSTALLATION MEWSS: PRODUCTION ENGR/ECP MEWSS: TRAINING/ILS MEWSS: TRAINING/ILS MEWSS: TRAVEL  21053  AN/MRC-142: (UPS) AN/MRC-142: (UPS) AN/MRC-142: INSTALLATION KITS AN/MRC-142: INTEGRATED LOG SUPPORT AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INTEGRATED LOG SUPPORT A		7687	1306 1059	
AN/MRC-142: (UPS) AN/MRC-142: INSTALLATION KITS AN/MRC-142: INTEGRATED LOG SUPPORT AN/MRC-142: TRAINING  AN/MRC-142: SMAK AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: TRAIVEL AN/MRC-142: TRAIVEL AN/MRC-142: TRAIVEL AN/MRC-142: TRAIVEL AN/MRC-142: TRAIVING  SUBTOTAL  47  TOTAL ACTIVE ACTIVE ACTIVE ACTIVE ACTIVE ACTIVE ACTIVE AN/MRC-142: TRAIVING  AVAILATION AVAIL	TION ION ENGR/ECP	6211 3970	6264 1600	1600 985
AN/MRC-142: NSTÁLLATION KITS AN/MRC-142: TRAVEL AN/MRC-142: TRAVEL AN/MRC-142: SMAK AN/MRC-142: SMAK AN/MRC-142: INSTALLATION KITS AN/MRC-142: INSTALLATION KITS AN/MRC-142: TRAVEL AN/MRC-142: TRAVEL AN/MRC-142: TRAVEL AN/MRC-142: TRAVEL AN/MRC-142: TRAVEL AN/MRC-142: TRAVEL AN/MRC-142: TRAINING  SUBTOTAL  TOTAL Active Reserve  Note: Forward financed \$274K in FY00 for		21053	7914	4939
AN/MRC-142: INSTALLATION KITS AN/MRC-142: TRAVEL AN/MRC-142: INTEGRATED LOG SUPPORT AN/MRC-142: TRAINING  SUBTOTAL  TOTAL Active Reserve  Note: Forward financed \$274K in FY00 for	EL RATED LOG SUPPORT	23	60 29 145	3191
TOTAL 33128 18539 7484 7086 32930 18149 7086 398	LLATION KITS EL RATED LOG SUPPORT	24	90 30 153	
Active Reserve 32930 18149 7086 398  Note: Forward financed \$274K in FY00 for		47	7305	475
		32930	18149	7086
	nced \$274K in FY00 for			

	nibit P-5a, Budget Procureme								February 2	2000
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	:			
Procurement, Marine Corps (1109) / Communications and Elec Equipment (4) / 035	etronic					MODFICA	ATION KITS MAGTI	E C4I (P44	1623)	
VBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Is Dat
iscal Years		and Type			Delivery	Each	\$		Avail	
N/MRC-142: (UPS)										
FY 00	TBD	FFP	QUANTICO VA	Mar-00	Aug-00	486	3191	Yes	No	
ANIMPO 440, CMAIZ										
AN/MRC-142: SMAK FY 00	TBD	FFP	QUANTICO VA	Mar-00	Aug-00	18	260833	Yes	No	
1 00			QO/MITTOO V/	Iviai oo	Aug 00	10	200000	103	140	
REMARKS:	<u> </u>	L		L						1
KLIIAKKO.										

MODIFICATION TITLE: AN/MLQ-36A (MEWSS) 3 MODELS OF SYSTEMS AFFECTED MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (AN/MLQ-36) PIP DESCRIPTION / JUSTIFICATION: The MEWSS PIP is an Elecronic Warfare (EW) suite of equipment configured in the highly moble, survivable Light Armored Vehicle. The MEWSS-PIP is an evolutionary acquisition program that incorporates a rigorous P3I strategy. This program develops a material change for the current, outdated EW suite. Threat tactical communications have advanced to complex modulations requiring computer intensive, open architecture solutions. MEWSS fulfills the requirement to provide responsive EW support to maneuver commanders by enhancing the ability to defeat the enemy by isolating and suppressing opposing fire control and nets at a critical point in the battle. MEWSS will provide detection, location and demodulation of advanced tactical communications. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONI PHASE II-ENGINEERING DEVELOP MODEL (EDM) 4TH QTR FY97 ENGINEERING AND MANUFACTURING DEVELOPMENT/LOW RATE INITIAL PRODUCTION MSII A-LOW RATE INITIAL PRODUCTION (LRIP) 1ST QTR FY97 PHASE I OPERATIONAL TESTING 4TH QTR FY98 PHASE II PRODUCTION ECP ACTIVITY FY99 ELECTRONIC ATTACK INTEGRATION FY99 OPERATIONAL TESTING 3RD QTR/QTY OF 100 1ST QTR FY02. Installation Schedule: Pr Yr FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 Totals Inputs Outputs FY 2004 FY 2005 FY 2006 FY 2007 Totals 1 3 3 1 3 2 3 Complete Inputs 12 12 METHOD OF IMPLEMENTATION: CONTRACTOR ADMINISTRATIVE LEADTIME: Months PRODUCTION LEADTIME: 10 Months JUL 99 FY2000 FY 2001 JUL 01 Contract Dates: FY 1999 N/A

INDIVIDUAL MODIFICATION

Date

February 2000

N/A

FY 2001

APR 02

FY2000

Delivery Date:

FY 1999

JUL 00

					IN	DIVIDUA	L MOD	IFICATIO	N							Date		Febr	uary 200	10
MODIFICATION TITLE (Cont):		AN	I/MLC	Q-36A (M	IEW	SS) 3														
FINANCIAL PLAN: (\$ in Millions)																				
		1998 Prior		Y 1999	EV	2000	EV ·	2001	EV	2002	EV	2003	EV.	2004	l EV	2005		TC	1	TOTAL
	Qty	\$	Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	
RDT&E		· ·	,	*		· ·	,	•	,	<u> </u>		,				,		T		<u> </u>
PROCUREMENT																				
Kit Quantity																				
Inst Kits, Nonrecurring	2	12.089	1	4.000			4	2.279	4	2.610	1	1.980							12	22.958
-																				
Equipment, Nonrecurring																				
ECO		0.800		5.168		6.264		1.600		2.150		2.100		0.700						18.782
200		0.000		0.100		0.204		1.000		2.100		2.100		0.700						10.702
Other		1.540		5.095		1.650		1.060		3.884		4.067		1.473						18.769
Installation of Hardware		40.004																		40.004
FY 1998 & Prior Eqpt 3 Kits FY 1999 Eqpt 1 Kits	2	10.991	1	6.790															1	10.991 6.790
FY 2000 Eqpt 0 Kits			'	6.790																6.790
FY 2000 Eqpt 4 Kits									4	24.650									4	24.650
FY 2002 Eqpt 4 Kits									1	_ 1.000	4	24.635							4	24.635
FY 2003 Eqpt 1 kits													1	5.309					1	5.309
FY 2004 Eqpt kits																				
FY 2005 Eqpt kits																				
(FY(TC) Eqpt (xx kits)																				
Installment Cost		10.991		6.790						24.650		24.635		5.309					12	72.375
Total Procurement Cost		25.420		21.053		7.914		4.939		33.294		32.782		7.482						132.884

MODIFICATION TITLE: AN/MRC 142 PIP (UPS) 2 MODELS OF SYSTEMS AFFECTED: MRC-142 PRE PLANNED PRODUCT IMPROVEMENT (PIP) DESCRIPTION / JUSTIFICATION: THIS PRE-PLANNED PRODUCT IMPROVEMENT (PIP) FOR AN UNINTERRUPTED POWER SOURCE (UPS) WILL ENABLE THE MRC-142 TO MAINTAIN RELIABLE COMMUNICATION IN THE EVENT OF EXTERNAL OR VEHICULAR POWER FAILURE. WITH THE MARINE CORPS MOVING INTO THE DIGITAL BATTLEFIELD ARENA, THE DIGITAL INFORMATION CARRIED BY THE MRC-142 WILL AFFECT MORE THAN JUST THE MRC-142. (DEPENDING ON THE LOCATION OF THE MRC-142 AN ENTIRE NEWTORK OF OPERATIONS MAY BE AFFECTED.) DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE N/A. THIS ASSET WILL BRING MARINE EXPEDITIONARY UNIT (MEU) COMMANDERS A VERSATILE SHIP/SHORE CAPABILITY. THE NAVY IS REMOVING ALL AN/VCC-2'S (PREDECESSOR TO THE DWTS) IN PREPARATION FOR ARRIVAL OF THE NEW DWTS. THIS ACTION TAKES AWAY A MARINE COMMUNICATION ASSET. Installation Schedule: Pr Yr FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 Totals 486 Inputs Outputs 486 FY 2004 FY 2005 FY 2006 FY 2007 Totals 1 3 1 3 2 Complete Inputs 486 486 METHOD OF IMPLEMENTATION: Field Installed ADMINISTRATIVE LEADTIME: Months PRODUCTION LEADTIME: Months N/A FY 1999 JAN 99 FY 2000 MAR 00 Contract Dates: FY 1999

INDIVIDUAL MODIFICATION

Date

February 2000

**AUG 99** 

FY 2000

AUG 00

FY 1999

Delivery Date:

FY 1999

N/A

				IN	DIVIDUA	L MOD	IFICATION	NC							Date		Febru	ary 2000	
MODIFICATION TITLE (Cont):	AN	I/MRC	142 PI	P 2 (U	IPS)														
FINANCIAL PLAN: (\$ in Millions)		7																	
	FY 1998 and Prior	- FV	1999	EV.	2000	ΓV	2001		2002	L EV	2003	L EV	2004	LEV	2005		TC	TO-	TAL
	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E	Qty ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ	Qty	Ψ
PROCUREMENT				486	01.551													486	01.551
Kit Quantity				400	01.001													400	01.00
Inst Kits, Nonrecurring					0.060														0.060
mat rata, Nomecuring					0.000														0.000
Equipment, Nonrecurring																			
Equipment, Normoduring																			
ECO																			
Other																			
TRAINING SUPPORT					0.462														0.462
ILS					0.145														0.145
TRAVEL			0.023		0.029														0.029
			0.020		0.020														0.020
Installation of Hardware																			
FY 1998 & Prior Eqpt Kits																			
FY 1999 Eqpt Kits																			
FY 2000 Eqpt Kits																			
FY 2001 Eqpt Kits																			
FY 2002 Eqpt kits																			
FY 2003 Eqpt kits																			
FY 2004 Eqpt kits																			
FY 2005 Eqpt kits																			
(FY(TC) Eqpt (xx kits)																			
Installment Cost																			
Total Procurement Cost			0.023		2.247									1					2.270

MODIFICATION TITLE: AN/MRC-142 SHORE MOUNT ACCESSORY KIT (SMAK) MODELS OF SYSTEMS AFFECTED: MRC-142 SHORE MOUNT ACCESSORY KIT (SMAK) DESCRIPTION / JUSTIFICATION: THE AN/MRC-142 SHORE MOUNT ACCESSORY KIT (SMAK) CONSISTS OF TWO ANTENNA'S, ANTENNA MASTS, POWER AMPLIFIER AN FCC-100, AND ASSOCIATED CABLES & MOUNTING HARDWARE. THE SMAK IS REQUIRED TO ESTABLISH A SHIP-SHORE DIGITAL WIDEBAND TRANSMISSION LINK. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Installation Schedule: Pr Yr FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 Totals 18 Inputs Outputs 18 FY 2004 FY 2005 FY 2006 FY 2007 Totals 3 1 1 3 2 Complete Inputs 18 18 METHOD OF IMPLEMENTATION: Field Installed ADMINISTRATIVE LEADTIME: Months PRODUCTION LEADTIME: 7 Months Contract Dates: FY 1999 N/A FY 1999 FY 2000 MAR 00 N/A Delivery Date: FY 1999 N/A FY 1999 N/A FY 2000 AUG 00

INDIVIDUAL MODIFICATION

Date

February 2000

				IN	DIVIDUA	L MOD	IFICATIO	N							Date		Febru	ary 2000	
MODIFICATION TITLE (Cont):	IA.	N/MRC	-142 S	HORE	MOUN	NT AC	CESSC	RYK	T (SMA	AK)									
FINANCIAL PLAN: (\$ in Millions)																			
	FY 1998																		
	and Prior		1999		2000		2001		2002		2003		2004		2005		TC		TAL
	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																			
PROCUREMENT																			
Kit Quantity				18	0.090													18	
Inst Kits, Nonrecurring					4.695														4.695
Equipment, Nonrecurring																			
ECO																			
Other																			
TRAINING SUPPORT					0.090		0.475												0.565
INTEGRATED LOG SPT					0.153		0.473												0.153
TRAVEL			0.024		0.030														0.154
INAVLL			0.024		0.030														0.032
Installation of Hardware																			
FY 1998 & Prior Eqpt Kits																			
FY 1999 Eqpt Kits																			
FY 2000 Eqpt Kits																			
FY 2001 Eqpt Kits																			
FY 2002 Eqpt kits																			
FY 2003 Eqpt kits																			
FY 2004 Eqpt kits																			
FY 2005 Eqpt kits																			
(FY(TC) Eqpt (xx kits)																			
Installment Cost																			
Total Procurement Cost			0.024		5.058		0.475												5.55

	Exhibit P-4	0, Budget Item Ju	stific	cation Sheet			Date:		Febru	ary 2000	
Appropriation / Budget Activity/		, <b>g</b>			P-1 Item Nomencla	ture:			resid	ary 2000	
Procurement, I	Marine Corps (1109) / Communications and	Electronic Equipment (4)					AIR OPER	ATIONS C2 SYSTEM	/IS (P44447)		
Program Elements for Code B	Items:	Code:		Other Related Prog	ram Elements:						
	Prior Years	FY 19	999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost	22.0	7.8	3	4.1	3.2	14.3	39.2	87.3	100.0	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	22.0	7.8	3	4.1	3.2	14.3	39.2	87.3	100.0	Cont	Cont
Initial Spares	0.6	0.	1	1.2	0.5						
Total Proc Cost	22.6	7.9	9	5.3	3.7	14.3	39.2	87.3	100.0	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

Air OperationsC2 coordinates and plans Navy and Marine air combat operations and interfaces with joint and combined forces air operations. It also interfaces with fire support C2. The systems in this line are used to detect aircraft and missiles, process the detected information, deliver the processed information to the Advanced Tactical Air Command Central (ATACC), and conduct the air battle.

This is the rolled line consisting of the following:

TAOM - Tactical Air Operations Module - An electronic tactical data system which, when supported with sensors, power sources, support equipment, and personnel, provides the Marine Corps with the capability of integrating air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air date.

TBMCS - Theater Battle Management Core System (formerly CTAPS) - An evolutionary acquisition, allowing for the rapid development/fielding of hardware and software to meet todays rapidly advancing technology.

CAC2S - Common Aviation Command and Control System - Provide a complete and coordinated modernization effort for the equipment of the Marine Air Command and Control System (MACCS) to support its employment in an Operational Maneuver From The Sea (OMFTS) environment.

CEC - Cooperative Engagement Capability - Enables all ECE-equipped, Anti-Air Warfare (AAW) weapons systems in a battle force to operate as a single distributed AAW weapon system. This is accomplished providing timely sharing of fire control quality sensor data, correlated identification data and AAW weapons system management status via a Data Distribution System (DDS).

CID - Combat Identification - Provide the ability to distinguish friends, foes, and neutrals on the battlefield through the use of situation awareness and target identification.

		Exh	ibit P-40a	, Budget	Item Jus	stification	for Aggr	egated It		Date:		Februa	ıry 2000	
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurement, Marine Corps	(1109)/0	Communic	cations and Electr	onic Equipment						AIR OPERAT	IONS C2 SYST	EMS (P44447)		
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
TAOM	Α	D				6.3	0.0	0.0	0.0	0.0	0.0	0.0		6.3
		Q												0
TBMCS	Α	D				1.5	4.1	3.2	3.4	2.5	6.7	3.5	Cont	Cont
		Q												0
CAC2S	В	D								19.4	43.3	45.3	Cont	Cont
		Q												
Cooperative Engagement Capability (CEC)	В	D							11.0	17.3	21.6	28.3	Cont	Cont
		Q												
Combat Identification System (CID)	В	D									15.8	22.8	Cont	Cont
		Q												
														1
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														1

	Exhib	it P-40, Budget	Item Justific	cation Shee	t		Date: Februa	ary 2000			
Appropriation / Budget Activity/S	Serial No:				P-1 Item Nomencla	ture:	-				
Procurement, N	Marine Corps (1109)/ Communicati	ons and Electronic Equipme	nt (4)				MAG	STF CSSE & SE (P4	4666)		
Program Elements for Code B I	tems:		Code:	Other Related Pro	gram Elements:						
	Prior Years		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				8.2	14.7	7.2	7.1	4.3	4.8	Cont	Cont
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)			0.0	8.2	14.7	7.2	7.1	4.3	4.8	Cont	Cont
Initial Spares											
Total Proc Cost				8.2	14.7	7.2	7.1	4.3	4.8	Cont	Cont
Flyaway U/C											
Wpn Sys Proc U/C											

The MAGTF Combat Service Support Element & Supporting Establishment (CSSE & SE) consist of mutually supporting Logistics Information Technology (IT) programs that support force deployment, planning, and execution; sustainment and distribution; and contribute to the CINC's Common Operating Picture (COP) to support rapid, accurate decision making.

## This is a rolled line consisting of:

Atlass PIP - The capability represents a deployable capability that will be used in the tactical deployed areas of the Marine Corps, as well as in garrison. The ATLASS PIP program funds the improvement of the fielded ATLASS II+ system as well as the migration of base and station (non-deployable) USMC intermediate and consumer level supply and maintenance systems from a mainframe environment into a personal computer application using a networked client server architecture.

TC-AIMS II - A joint migration force deployment and transportation system. It will be used by Command Elements, Traffic Management Offices, and all Operating Force deploying units to automate the processes of planning, organizing, coordinating, and controlling deployment, and sustainment activities worldwide, in peace as well as during contingencies.

Total Force Structure Management System (TFSMS) A system that replaces four (4) existing systems: Table of Manpower Requirements (T/MR), Logistics Management Information System (LMIS), Trooplist System, and Manning Level Process (MLP) system. The result will be a consolidated management of Tables of Organization (T/O) and Tables of Equipment (T/E) via a single system, allowing coordination of manpower and material solutions in a requirement base Marine Corps.

Automated Identification Technology (AIT) - A generic name given to devices used to automate data collection in a variety of applicaztion, with the goal of providing cost saving by expediting the collection of accurate data.

MAGTF Logistics AIS Infrastructure - A family of coordinated, mutually supporting, automated systems designated to support deliberate and crisis action/time-sensitive planning, deployment, employment, and redeployment of a MAGTF in independent, joint, and/or combined operations.

Manpower Automated Information System - Provides funding for the automated data processing to support users of Manpower systems being reengineered into a client-server environment.

Data Warehousing - Decision support tools integrate with the data warehousing products to provide essential logistics information for commanders to make critical decisions.

		Exh	ibit P-40a	, Budget	Item Jus	stification	for Aggr	egated It		Date:		February 2000		
Appropriation / Budget Activity								P-1 Item Nome	nclature:					
Procurment, Marine Corps	(1109) / C	communic	ations and Electr	onic Equipment						MAGT	F CSSE & SE (F	244666)		
Procurement Items	Code	UOM	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
ATLASS PIP	Α	D					0.0	0.0	2.5	1.2	0.4	0.5	Cont	Cont
		Q												
TC AIMS II	Α	D					4.5	10.1	0.0	0.0	0.0	0.0		14.6
MAGTF LOG AIS		Q D					2.1	2.2	2.2	2.0	0.0	0.0		8.5
MAGTI EGG AIG		Q					2.1	2.2	2.2	2.0	0.0	0.0		
TOTAL FORCE STRUCTURE MANAGEMENT SYSTEM		D					0.0	0.0	0.0	0.2	0.0	0.0		0.2
		Q												
MANPOWER AUTOMATED INFO SYS SUPPORT		D					0.2	0.2	0.2	0.2	0.2	0.2	Cont	Cont
		Q												_
DATA WAREHOUSING		D					0.0	0.2	1.8	1.6	1.7	1.7	Cont	Cont
AUTOMATER INFORMATION TEQUINOLOGY		Q					1.5	1.9	0.5	2.0	2.0	2.4	Cont	Cont
AUTOMATED INFORMATION TECHNOLOGY		D Q					1.5	1.5	0.5	2.0	2.0	2.4	Cont	CON
		Q												-
														-
														1
														1

	Exhibit	P-40, Budget I	tem Justific	cation Sheet	:		Date:		February 2000		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:	<u> </u>		•		
Procurement,	Marine Corps (1109)/ Communications	s and Electronic Equipme	nt (4)			TC-A	II SIII				
Program Elements for Code B	Items:		Code:	Other Related Prog	ram Elements:						
	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog
Proc Qty											
Gross Cost				4.5	10.1						14.7
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)				4.5	10.1						14.7
Initial Spares											
Total Proc Cost				4.5	10.1						14.7
Flyaway U/C											
Wpn Sys Proc U/C											
hardware components AIT devices (bar-code (TMO's), and to all Or activities worldwide, ir scaleable, integrated Deployment Planning visibility of personnel, capability.  Within the Marine Co transportation suppor ships. Systems will be		e level servers at the Character Memory lion & Squadrons. ontingency operation of that supports reer publify at the unit let the transportation pile be regionalized at operating forces argional locations, to 3	e major MCEN card readers). It is used to autons. It interface igineered deployel. TC-AIMS peline. TC-AIM the enterprise and MARFORRE 168 sites, and to	regions; departi TC-AIMS II is u tomate the process with load plan hyment and busin II is the system ASII links all Doli devel upon the M ES. It will also be to over 1700 end	mental level ser sed from Comr esses of planni ning, mode clea less processes of origin for In- o component ur CEN. It will be a implemented a l-users through	vers at Major S nand Element (S ng, organizing, arance, C2, sup s throughout Do Fransit-Visibility nit movement ar fielded from the at all bases, car out the Marine O	ubordinate Cor Strategic Mobili coordinating, a pply, personnel, D and the joint (ITV) data, wh nd traffic mana- e MARFOR lev mp, and station Corps.	nmands; PC way Officers), based controlling de and TPFDD fe community. It i ich provides CI gement function el to the battalia TMO offices, a	orkstations, de se/station Traff eployment, red eder systems. s the key enab NCs, JTF's an nality into a sin on & squadron and to CCO's a	ployable laptops, iic Management ( eployment, and s It provides a m pler towards Force ad Components of gle information s	and DoD Offices sustainment odernized, e critical ystem

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu		'Serial No: d Electronic Equipi	ment (4) / X37	P-1 Line Ite	m Nomenclature:	TC-AIMS II		Weapon System	Type:	Date: February 2000				
Weapon System	ID					FY99		I	FY00	<u></u>		FY01				
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCos			
		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$			
AIT Devices (Bar-code readers/printers, RF Tags Transit Cases, Peripheral equip, site Pm Support Implementation & Fielding PM Support, CLS Initial Factory Training Fielding Surcharge (Joint Tng Teams Integration & Assembly SPAWAR								926 499 1848 294 341 320 258			1549 586 5357 328 677 550 1025					
TOTAL ACTIVE RESERVE								4486 3796 690			10072 9369 703					

			Date:														
	Exhibit P-40	0, Budget Item J	ustification	·													
Appropriation / Budget Activity	/Serial No:			P-1 Item Nomenclature:													
	nunications and Electronic Equipment					FIRE SL	IPPORT SYSTEMS	(P41400)									
Program Elements for Code E		Code:	Other Related Prog	gram Elements:													
	473300	А			<u>,                                      </u>		Τ	_	1								
<b>5</b> 0:	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total Prog							
Proc Qty Gross Cost			5.0	12.3	17.5	17.4	19.0			71.2							
			5.0	12.3	17.5	17.4	19.0			71.2							
Less PY Adv Proc																	
Plus CY Adv Proc																	
Net Proc (P-1)		0.0	5.0	12.3	17.5	17.4	19.0			71.2							
Initial Spares				0.3	0.3	0.6				2.1							
Total Proc Cost			5.0	12.6	17.8	18.0	19.0			72.4							
Flyaway U/C																	
Wpn Sys Proc U/C																	
Controllers, Nava transmit (hand-off	Designation and Hand- I Gunfire Spot teams and teams and teams and teams and teams and teams and teams are senic Protection Systems of the team and	and Reconnaissa ons delivery platfo n (SEPS) - Vehicl	nce Teams orms and age	with the abilinencies.	ty to accurat	ely acquire,	locate and c	lesignate ta	rgets, then di								

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu	-	Serial No:   Electronic Equipm	ent (4) / X37		m Nomenclature: FIRE SUPPORT S	SYSTEMS (P41400	)	Weapon System∃	Гуре:	Date: Feb	ruary 2000
Weapon System	ID		FY 98			FY 99			FY 00	0		FY 01	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
Oost Elements		\$000	Each	\$	\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
TLDHS	А										11090	49	226327
Program Support Special Purpose Test Equipment											547 6		
ILS											700		
TOTAL Active Reserve											12343 12343		
of Do													
SEPS													
Shortstop HMMWVS Generators								2000 600 50	10 10 10	200000 60000 5000			
Program Support Initial Spares ILS Documentation (Tech Data, Cataloging, IETMS/Training Materials								550 200 900 664					
TOTAL SEPS								4964					

Exh	ibit P-5a, Budget Procureme	nt History a	and Planning				February 2000				
Appropriation / Budget Activity/Serial No:		Weapon Syst	em Type:		P-1 Line Item	Nomenclature	MS (P41400)				
() / Communications and Electronic Equipment (4) / X37						FIRE					
/BS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date		QTY	Unit Cost	Specs Avail?	Date Revsn	RFP Is Date	
iscal Years TLDHS		and Type			Delivery	Each	\$		Avail		
Y 01	Litton, Apokee, FL	MY-2	NV/RSTA Ft Belvoir VA	Feb-01	Feb-02	49	226327	No	N/A	N/	
SEPS Y 00	Condor, Simi Valley, CA	FFP	MARCORSYSCOM, Quantico, VA	Oct-01	Mar-02	10	200000	No	N/A	N//	
REMARKS: Army is planning a multi-year procure	ement beginning in FY 01.	l	•	l					1	•	

Exhibit P-20, Requ	iroments Study	Approriation/Budget			Date:								
•		() / Communications			TLDHS			2000					
P-1 Line Item Nomenclature (Include	e DODIC for Ammunition Items):	and Elootromo	Admin Leadtime (aft	ter Oct 1):		Prod Leadtime:							
FI	RE SUPPORT SYSTEMS (P41400)				Months			Months					
Line Descriptions			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005				
Buy Summary					49	90	107	124					
Unit Cost					226.0	181.0	151.0	143.0					
Total Cost					11090.0	16280.0	16110.0	17778.0					
Asset Dynamics													
Beginning Asset Position							49	139	246				
Deliveries from:	FY 1999 Funding												
Deliveries from:	FY 2000 Funding												
Deliveries from:	FY 2001 Funding					49							
Deliveries from Subsequ	ent Years Funds						90	107	124				
Other Gains													
Combat Losses													
Training Losses													
Test Losses													
Other Losses													
Disposals/Retirements/A	ttritions												
End of Year Asset Position	on					49	139	246	370				
Inventory Objective or Curre	ent Authorized Allowance												
Inventory Objective	Actual Training	Other that	an Training	Disp	osals	Vehicles Eligible		Aircraft:					
424	Expenditures	Us	sage	(Vehicle	es/Other)	for Replacement		TOAI					
Assets Rqd for	thru	thru		thru				PAA:					
Combat Loads:	FY XXXX	FY XXXX		FY XXXX		FY 2000		TAI					
WRM Rqmt:	FY XXXX	FY XXXX		FY XXXX		FY 2001		Attrition Res					
Pipeline:	FY XXXX	FY XXXX		FY XXXX		Augment		BAI	<u>-</u>				
Other:	FY XXXX	FY XXXX		FY XXXX				Inactive Inv					
Total:								Storage					

## **TLDHS**

Exhibit P-20, Req	uirements St	udv	Approriation/Budget A	activity/Serial No:		Date:								
•					Shortstop Electronic Elect	ronic Protection Sys	tem	Feb 2000						
P-1 Line Item Nomenclature (Inclu	ude DODIC for Ammunit	ion Items):		Admin Leadtime (after	,			Prod Leadtime:						
	FIRE SUPPORT SYSTE	MS (P41400)			24	Months	_	5 Months						
Line Descriptions				FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005				
Buy Summary					10									
Unit Cost					200.0									
Total Cost					2000.0									
Asset Dynamics														
Beginning Asset Position	on													
Deliveries from:	FY 1999	Funding												
Deliveries from:	FY 2000	Funding					10							
Deliveries from:	FY 2001	Funding												
Deliveries from Subseq	quent Years Funds													
Other Gains														
Combat Losses														
Training Losses														
Test Losses														
Other Losses														
Disposals/Retirements/	/Attritions													
End of Year Asset Posi	ition						10							
Inventory Objective or Cur	rent Authorized Allo	owance												
Inventory Objective	Actu	ual Training	Other tha	n Training	Dispo	osals	Vehicles Eligible		Aircraft:					
N/A	Ex	penditures	Us	age	(Vehicles	s/Other)	for Replacement		TOAI					
Assets Rqd for	thru		thru		thru				PAA:					
Combat Loads:	FY XXXX		FY XXXX		FY XXXX		FY 2000		TAI					
WRM Rqmt:	FY XXXX		FY XXXX		FY XXXX		FY 2001		Attrition Res					
Pipeline:	FY XXXX		FY XXXX		FY XXXX	<u> </u>	Augment		BAI					
Other:	FY XXXX		FY XXXX		FY XXXX				Inactive Inv					
Total:									Storage					

**SEPS** 

FY 00 / 01 BUDGET PRODUCTION SCHEDULE								em Nom	nencia	ature:		FIRE	E SUP	PPORT	r sys	TEMS	(P414	100)					Date		Februa	ry 200	10				
	М		S	PROC QTY	ACCEP. PRIOR	BAL DUE					Fis	cal \	Year		nda	r Yea	ar 01						Fis		Year Calen		Year	2			L A
COST ELEMENTS	F R	FY	E R V	Each	TO 1 OCT	AS OF 1 OCT	O C T	N O V		J A N	F E B	M A R	A P R	M A Y	J U N	JUL	A U G	S E P	O C T	N 0 >	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	JUL	U	S E P	T E R
TLDHS (LLDR)	1	FY 01	MC	49	0	49					Α												5	5	6	6	6	7	7	7	
																													$\exists$	#	
																													$\dashv$	十	<u> </u>
LLDR	1	FY01	Α	34	0	34					Α												2	2	3	3	3	4	4	4	9
									1																				$\exists$	$\exists$	
SEPS	2	FY00	MC	10	0	10													А					3	3	2	2		$\exists$	1	
	$\perp$																												$\Rightarrow$	╅	
	$\pm$																												$\Rightarrow$	#	
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																													$\Rightarrow$	4	
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				•		•	O C T	N O V	D E C	Α	F E B	M A R	A P R	M A Y	JUZ	JUL	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	JUN	JUL	U	S E P	
M F	PRODUCTION RATES			8	REACHED	MI	FR							MIN LE					MFR ter 1 C			TOTA ter 1 C	L		MAR						
R NAME / LOCATION 1 Litton, Apokee, FL		MIN. 5		-8-5 12	MAX. 20	D +		R		RDER				3			4			12			16								
2 Condor, Simi Valley, VA		2		4	6			2 R		RDER	]						24			5			29								
								R	NITIA EOR NITIA	RDER	4																				
								R		RDER																					
										RDER																					